

## Patent Details for Verification\_NIRF2024

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 2020 – 2022 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 NIRF2024 Ranking: **IR\_PHARMACY**

Institute ID: **IR-P-U-0085**

Provide below the Year-wise Count of Submitted Patent Data by the Institute (2020 to 2022) for NIRF2024 as applied in Discipline-specific:

Published_2020	Published_2021	Published_2022	Granted_2020	Granted_2021	Granted_2022	Total Published (2020-2022)	Total Granted (2020-2022)		
0	1	29	1	5	6	30	12		

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	2022106500	Granted	Dr. Alpana Ram	A SOLID DISPERSION OF AN ANTI-FUNGAL DRUG IN GEL FORMULATION FOR IMPROVING BIOAVAILABILITY	Dr. Alpana Ram	21/11/2022	07-12-2022	A61K 9/10	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/ALPANA_RAM_GERMAN_PATENT_2022.pdf">http://new.ggu.ac.in/attachments/attachments/research/ALPANA_RAM_GERMAN_PATENT_2022.pdf</a>

2	2020 2210 0777	Granted	Dr. Harish Rajak	A SYSTEM FOR SYNTHESIZING NOVEL ANALOGUES OF NITROFURANTOIN BASED HYDROXAMIC ACIDS AS ANTICANCER AGENTS	Dr. Harish Rajak	02-10- 2022	03-03- 2022	DE202022 100777	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_GERMAN_PATENT_202022100777.pdf">http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_GERMAN_PATENT_202022100777.pdf</a>
3	2021 /105 63	Granted	Dr. Harish Rajak	A PROCESS FOR SYNTHESIZING N- (6,12-DIOXO-6,12 DIHYDROINDOLO[2,1- B]QUINAZOLIN-8- YL)BENZENESULFONA MIDE DERIVATIVES FOR ANTICANCER ACTIVITIES	Dr. Harish Rajak	17/12/ 2021	29/06/2 022	2021/1056 3	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_SOUTHAFRICAN_2021-10563.pdf">http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_SOUTHAFRICAN_2021-10563.pdf</a>

4	3704 01- 001	Granted	Dr. Surendra H. Bodakhe	PERIPHERAL VISUAL FIELD TESTING MAZE IN LABORATORY USE	Dr. Surendra H. Bodakhe	09-06- 2022	23/12/2 022	370401- 001	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.H_BODAKHE_370401.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.H_BODAKHE_370401.pdf</a>
5	3724 98- 001	Granted	Dr. Surendra H. Bodakhe	VISION MAZE MODEL FOR LABORATORY USE	Dr. Surendra H. Bodakhe		10-12- 2022	372498- 001	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.H_BODAKHE_372498.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.H_BODAKHE_372498.pdf</a>
6	3706 45- 001	Granted	Dr. S. K. Lanjhiyan a	PHARMACEUTICAL WASTE TREATMENT DEVICE	Dr. S. K. Lanjhiyana	09-12- 2022	26/12/2 022	370645- 001	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_370645-001.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_370645-001.pdf</a>
7	2020 2104 6493	Publishe d	Dilipkum ar Pal	SYNTHESIS OF DERIVATIVES OF 4, 5 DIMETHYL -1-PHENYL -1H-IMIDAZOLE RELATED COMPOUNDS AND THEIR EVALUATION	Dilipkumar Pal		27/04/2 022	2.02021E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/D.K.PAL_202021046493.pdf">http://new.ggu.ac.in/attachments/attachments/research/D.K.PAL_202021046493.pdf</a>
8	2021 4105 9326	Publishe d	Dr. Harish Rajak	TRIAZOLO-THIAZOLE BASED HYDROXAMIC ACID ANALOGUES AS NOVEL ANTICANCER AGENT	GURU GHASIDAS VISHWAVI DYALAYA	26/12/ 2020	07-01- 2022	2.02021E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202021056509.pdf">http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202021056509.pdf</a>

9	2021 4105 9326	Publishe d	Dr. Harish Rajak	A MACHINE LEARNING MODEL TO PREDICT THE SEVERITY OF CANCER AND TO DECREASE SURGICAL TREATMENT	Dr. Harish Rajak	20/12/ 2021	02-04- 2022	2.02141E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202141059326.pdf">http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202141059326.pdf</a>
10	2022 4100 6224	Publishe d	Dr. Harish Rajak	A FRAMEWORK TO MEASURE THE PUBLIC HEALTH INTERVENTIONS	Dr. Harish Rajak	02-05- 2022	02-11- 2022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202241006224.pdf">http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202241006224.pdf</a>
11	2022 4100 6304	Publishe d	Dr. Harish Rajak	DESIGN AND BIOLOGICAL STUDY ON NEW ANTI- INFLAMMATORY HYBRID DERIVATIVES	Dr. Harish Rajak	02-06- 2022	02-11- 2022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202241006304.pdf">http://new.ggu.ac.in/attachments/attachments/research/HARISH_RAJAK_202241006304.pdf</a>
12	2022 1104 9075	Publishe d	Dr. Kamta Prasad Namdeo	ARTIFICIAL INTELLIGENCE BASED INTERVENTION FOR DEVELOPING STABILITY INDICATING METHOD AND VALIDATION OF ANTICANCER DRUG USING RP-HPLC METHOD	Dr. Kamta Prasad Namdeo	28/08/ 2022	09-09- 2022	2.02211E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/K.P_NAMDEO_202211049075.pdf">http://new.ggu.ac.in/attachments/attachments/research/K.P_NAMDEO_202211049075.pdf</a>

13	2022 2105 1170	Publishe d	Dr. Kamta Prasad Namdeo	MACHINE LEARNING BASED APPROACH TO PREDICT THE VARIOUS MYELOSUPPRESSION AGENT THAT CAN BE USED ALONG WITH HYDROXYUREA IN IMPROVING THE CONDITION OF SICKLE CELL ANAEMIA	Dr. Kamta Prasad Namdeo	07-09- 2022	28/10/2 022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/K.P.NAMDEO_NEW_202221051170.pdf">http://new.ggu.ac.in/attachments/attachments/research/K.P.NAMDEO_NEW_202221051170.pdf</a>
14	2022 1107 0193	Publishe d	Meenaks hi Jaiswal	HERBAL COMPOSITION FOR INFLAMMATORY DISORDERS	Meenakshi Jaiswal		16/12/2 022	2.02211E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/MEENAKSHI_202211070193.pdf">http://new.ggu.ac.in/attachments/attachments/research/MEENAKSHI_202211070193.pdf</a>
15	2022 2104 9661	Publishe d	Dr. Surendra H. Bodakhe	<i>HEDYCHIUMCORONARIUM</i> : A NOVEL THERAPEUTIC REMEDY AGAINST GALUCOMA	Dr. Surendra H. Bodakhe	30/08/ 2022	11-11- 2022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.H.BODAKHE_202221049661.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.H.BODAKHE_202221049661.pdf</a>
16	2022 1104 4190	Publishe d	Dr. S. K. Lanjhiyan a	DESIGN OF SMART THIN FILM ACTUATORS FOR BIOMEDICAL APPLICATIONS AND INTERVENING THE COMPLICATIONS OF GENE MUTATIONS IN DIABETIC PATIENTS	Dr. S. K. Lanjhiyana	08-02- 2022	26/08/2 022	2.02211E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K.LANJHIYANA_202211044190.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K.LANJHIYANA_202211044190.pdf</a>

17	2022 1104 5051	Publishe d	Dr. S. K. Lanjhiyan a	DEVELOP MET AND CHARACTERIZE THE ROLE OF SMALL- MOLECULE ACCUMULATION IN DRUG EXPOSURE OF ANTISEIZURE MEDICATIONS	Dr. S. K. Lanjhiyana	08-07- 2022	19/08/2 022	2.02211E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202211045051.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202211045051.pdf</a>
18	2022 1104 6236	Publishe d	Dr. S. K. Lanjhiyan a	DEVELOPING A DRUG FOR ATOPIC DERMATITIS AND ALLERGIC DISORDERS USING CRISABOROLE AND VOCLOSPORINS	Dr. S. K. Lanjhiyana	13/08/ 2022	26/08/2 022	2.02211E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202211046236.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202211046236.pdf</a>
19	2022 1104 8685	Publishe d	Dr. S. K. Lanjhiyan a	MACHINE LEARNING BASED APPROACH TO STUDY AND ANALYSE THE ANTIBACTERIAL EFFECTS OF SILVER NANOPARTICLES FOR HEALING DENTAL ISSUES	Dr. S. K. Lanjhiyana	26/08/ 2022	09-09- 2022	2.02211E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202211048685.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202211048685.pdf</a>
20	2022 2104 4413	Publishe d	Dr. S. K. Lanjhiyan a	MOLECULAR IDENTIFICATION AND ANTIFUNGAL ACTIVITY OF ANTIMYCOTICS BY FARNESOL AND REDUCTION OF CANDIDA ALBICANS PATHOGENICITY IN FISSION YEAST	Dr. S. K. Lanjhiyana	08-03- 2022	19/08/2 022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202221044413.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA 202221044413.pdf</a>

21	2022 2104 6050	Publishe d	Dr. S. K. Lanjhiyan a	A SYSTEM FOR DIAGNOSIS AND CLASSIFICATION OF BONE CANCER USING ARTIFICIAL INTELLIGENCE	Dr. S. K. Lanjhiyana	08-12- 2022	09-09- 2022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221046050.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221046050.pdf</a>
22	2022 2104 8369	Publishe d	Dr. S. K. Lanjhiyan a	FORMULATION AND ESTIMATION OF WEAKLY SOLUBLE DRUGS USING NEW NATURAL POLYMER	Dr. S. K. Lanjhiyana	25/08/ 2022	09-09- 2022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221048369.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221048369.pdf</a>
23	2022 2104 8411	Publishe d	Dr. S. K. Lanjhiyan a	DISSOLUTION IMPROVEMENT OF GLIMEPIRIDE AND OLANZAPINE USING KETOROLAC TROMETHAMIN	Dr. S. K. Lanjhiyana	25/08/ 2022	09-09- 2022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221048411.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221048411.pdf</a>
24	2022 2105 0363	Publishe d	Dr. S. K. Lanjhiyan a	PROCESS FOR COMPACTING ACETAMINOPHEN AND DEVELOPING A SUSTAINED-RELEASE FORMULATION	Dr. S. K. Lanjhiyana	09-02- 2022	16/09/2 022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221050363.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221050363.pdf</a>
25	2022 2105 0938	Publishe d	Dr. S. K. Lanjhiyan a	GAMMA RADIATION EFFECTS ON LEAVES AND ROOTS IN MAIZE	Dr. S. K. Lanjhiyana	09-06- 2022	16/09/2 022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221050938.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221050938.pdf</a>
26	2022 2106 7464	Publishe d	Dr. S. K. Lanjhiyan a	DISSOLUTION IMPROVEMENT OF GLIMEPIRIDE AND OLANZAPINE USING KETOROLAC TROMETHAMINE	Dr. S. K. Lanjhiyana	23/11/ 2022	12-02- 2022	2.02221E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221067464.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K LANJHIYANA_202221067464.pdf</a>

27	2022 3104 7425	Publishe d	Dr. S. K. Lanjhiyan a	VULNERABILITIES OF CERVICAL CANCER AND ELECTRIC FIELD THERAPY TO DISRUPT CANCER	Dr. S. K. Lanjhiyana	20/08/ 2022	09-09- 2022	2.02231E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202231047425.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202231047425.pdf</a>
28	2022 3104 7548	Publishe d	Dr. S. K. Lanjhiyan a	VULNERABILITIES OF CERVICAL CANCER AND ELECTRIC FIELD THERAPY TO DISRUPT CANCER	Dr. S. K. Lanjhiyana	22/08/ 2022	09-09- 2022	2.02231E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202231047548.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202231047548.pdf</a>
29	2022 3105 1950	Publishe d	Dr. S. K. Lanjhiyan a	DEVELOPMENT OF NANO PARTICLE FORMULATION USING METHANOLIC EXTRACT OF WRIGHTIA TINCTORIA FOR ANTI-MICROBIAL THERAPY	Dr. S. K. Lanjhiyana	09-12- 2022	16/09/2 022	2.02231E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202231051950.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202231051950.pdf</a>
30	2022 4103 5945	Publishe d	Dr. S. K. Lanjhiyan a	BIOMEDICAL INTERVENTIONS FOR ANALYSING THE PROTEINS AND GENETIC FACTORS THAT ARE RESPONSIBLE FOR CAUSING CANCER	Dr. S. K. Lanjhiyana	22/06/ 2022	07-08- 2022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241035945.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241035945.pdf</a>
31	2022 4104 0993	Publishe d	Dr. S. K. Lanjhiyan a	THE DEVELOPMENT AND TESTING OF A FLOATING TABLETS CONTAINING DICLOFENAC SODIUM	Dr. S. K. Lanjhiyana	18/07/ 2022	19/08/2 022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241040993.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241040993.pdf</a>



32	2022 4104 2626	Publishe d	Dr. S. K. Lanjhiyan a	ARTIFICIAL INTELLIGENCE BASED DRUG DISCOVERY TECHNIQUE TO ANALYZE THE IMPACT OF EXISTING DRUGS FOR BRAIN TUMOURS AND PAVING WAY FOR NEW EFFICACIOUS DRUG	Dr. S. K. Lanjhiyana	26/07/ 2022	08-12- 2022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241042626.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241042626.pdf</a>
33	2022 4105 0375	Publishe d	Dr. S. K. Lanjhiyan a	ANALYSING AND PROVIDING SOLUTIONS FOR A PHYSICO-CHEMICAL AND BACTERIOLOGICAL EFFECTS IN THE WATER	Dr. S. K. Lanjhiyana	09-03- 2022	09-09- 2022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241050375.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241050375.pdf</a>
34	2022 4105 2467	Publishe d	Dr. S. K. Lanjhiyan a	OPTIMIZATION AND CHARACTERIZATION OF POLYMERS FOR CARBINOXAMINE MALEATE	Dr. S. K. Lanjhiyana	14/09/ 2022	23/09/2 022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241052467.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241052467.pdf</a>
35	2022 4105 4444	Publishe d	Dr. S. K. Lanjhiyan a	DEVELOPING AND EVALUATING POLYHERBAL FORMULATION FOR METABOLIC DISORDER	Dr. S. K. Lanjhiyana	22/09/ 2022	30/09/2 022	2.02241E+ 11	Guru Ghasidas Vishwavidyalaya	<a href="http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241054444.pdf">http://new.ggu.ac.in/attachments/attachments/research/S.K_LANJHIYANA_202241054444.pdf</a>