

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: e.g. IR_OVERALL / IR_ENGINEERING / IR_MEDICAL / IR_PHARMACY / IR_DENTAL/IR_AGRICULTURE Institute ID: e.g. C-00000 / U-00000

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	92	63	2	39	16	155	57

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	362825-001	Granted	Dr. Saurabh Meshram, Dr. Sandeep Dharmadhikari, Mrs. Anuradha N. Joshi, Mr. Neeraj Chandraker, Dr. Raaghwendra	Lead Toxicity Detector and Water Cleaning Machine	Dr. Saurabh Meshram, Dr. Sandeep Dharmadhikari, Mrs. Anuradha N. Joshi, Mr. Neeraj Chandraker, Dr. Raghwendra Singh Thakur, Dr. Neha Pandey, Dr.	362825-001	2022	362825-001	Guru Ghasidas Vishwavidyalaya	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08172022061139_3.4.3%20Patent%20publishe d%202021-22.pdf
2	US 11288954	Granted	KundanMeshram	Tracking and Alerting Traffic Management System Using IoT For Smart City	KundanMeshram	17/144,173	2022	11288954	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/06292022033449_NAAC%203.4.3_2020-21_2%20Patent%20Publication.pdf
3	362692-001	Granted	Sonal Banchhor	Device to monitor theft by identifying salient object	Sonal Banchhor	362692-001	2022	362692-001	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08302022053145_NAAC%203.4.3%202021-22%20SB%20Patent-3.pdf
4	2021104281	Granted	Satish Negi, Amit Baghel, Pushpendra Chandra, Vishnu Kant	A smart wearable device for early detection and identification of COVID-19 cases	Satish Negi, Amit Baghel, Pushpendra Chandra, Vishnu Kant	18.07.2021	11.05.2022	2021104281	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08182022062712_Amit%20Baghel.pdf
5	2021103085	Granted	Deepak Rathore	A Method for Reliable and Energy Efficient Data Transfer Routing Protocol in Wireless Body Area Networks	Deepak Rathore	03.06.2021	09.03.2022	2021103085	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/06222022040127_Patent_Deepak_2.pdf
6	202121026466	Granted	Rohit Raja, Suraj Sharma, SC Srivastava	System And Method For Object Detection And Object Tracking For Traffic Surveillance	Rohit Raja, Suraj Sharma, SC Srivastava	14.06.2021	21.02.2022	389902	Guru Ghasidas Vishwavidyalaya	http://ggu.ac.in/Admin/Files/DepartmentDocument/08302022104823_patents%20certificate%2021-22.pdf
7	201811040942	Granted	Rohit Raja	Method and System for Wirelessly Charging of an appliance	Rohit Raja	30.10.2018	2022	394722	Guru Ghasidas Vishwavidyalaya	http://ggu.ac.in/Admin/Files/DepartmentDocument/08302022104823_patents%20certificate%2021-22.pdf
8	201941000049	Granted	Rohit Raja	Method and System for rendering a panoramic view of traffic to a driver of a vehicle	Rohit Raja	01.01.2019	03.01.2022	385899	Guru Ghasidas Vishwavidyalaya	http://ggu.ac.in/Admin/Files/DepartmentDocument/08302022104823_patents%20certificate%2021-22.pdf
9	202021045472	Granted	Rohit Raja, Alok Kushwaha, Upasna Sinha, Agnivesh Pandey	An Unmanned Aerial Vehicle for Surveillance	Rohit Raja, Alok Kushwaha, Upasna Sinha, Agnivesh Pandey	19.10.2022	18.07.2022	401497	Guru Ghasidas Vishwavidyalaya	http://ggu.ac.in/Admin/Files/DepartmentDocument/08302022104823_patents%20certificate%2021-22.pdf
10	20 2021 103 650.8	Granted	Rohit Raja	Traffic surveillance system	Rohit Raja	2022	44624	20 2021 103 650.8	Guru Ghasidas Vishwavidyalaya	http://ggu.ac.in/Admin/Files/DepartmentDocument/08302022104823_patents%20certificate%2021-22.pdf
11	202022100777	Granted	Harish Rajak, Preeti Patel	A System for Synthesizing Novel Analogues of Nitrofurantoin Based Hydroxamic Acids as Anticancer Agents	Harish Rajak, Preeti Patel	10.02.2022	14.04.2022	20 2022 100 777	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08122022035848_German%20Patent_G113380E%2 Certificate.pdf
12	2021102935	Granted	Sushma Jaiswal	AN AUTOMATIC OPTIMIZED FEATURES SELECTION SYSTEM IN RETINOPATHY DETECTION USING ACTIVE EXTREME LEARNING MACHINE	Sushma Jaiswal	28.5.2021	20.4.2022	2021102935	Guru Ghasidas Vishwavidyalaya	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09022022113653_Australian_innovation_patent_SI_organized.pdf
13	2022/07783 (South Africa patent)	Granted		A system for effectively predicting yield from plant leaf imagery		2022 (granted)			Guru Ghasidas Vishwavidyalaya	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/01132023101834_NAAC%203.4.3%202021-22%20KM%20Patent%204.pdf
14	2022106500 (German Patent)	Granted	Alpana Ram	A SOLID DISPERSION OF AN ANTI-FUNGAL DRUG IN GEL FORMULATION FOR IMPROVING BIOAVAILABILITY	Alpana Ram	21.11.2022	07.12.2022	A61K 9/10	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/03242023091529_alpana%20ram%20patent.pdf
15	372498-001	Granted	Surendra H Bodakhe, ashmita Das, Shivani Behera	vision maze model for laboratory use	Surendra H Bodakhe, ashmita Das, Shivani Behera	12.10.2022	30.12.2022	372498-001	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/03242023091133_bodakhe%20patent.pdf
16	370401-001	Granted	Surendra H Bodakhe	peripheral visual field testing maze in laboratory use	Surendra H Bodakhe	06.09.2022	23.12.2022	370401-001	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/03242023103444_Peripheral%20vision.pdf
17	2231074077	Published	Dr.Sushma Jaiswal	A METHOD FOR DETECTING CANCEROUS CELLS IN AS	Dr.Sushma Jaiswal	20/12/22	30/12/22	52/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf

18	202241068394	Published	DEVESH PAL	Financial planning & management for salaried employee in an organisation along with strategies for tax savings for the benefits of both employee and employer in private sector	DEVESH PAL	28/11/22	02/12/22	48/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
19	202221067464	Published	Dr. S.K. Lanjhiyana	DISSOLUTION IMPROVEMENT OF GLIMEPIRIDE AND	Dr. S.K. Lanjhiyana	23/11/22	02/12/22	48/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
20	202241066834	Published	Dr. Sarika Agarwal	CRISIS MANAGEMENT MODEL FOR REFLECTIONS ON	Dr. Sarika Agarwal	21/11/22	25/11/22	47/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
21	202221063771	Published	Dr. S.K. Lanjhiyana	FORMULATION AND ESTIMATION OF WEAKLY SOLUB	Dr. S.K. Lanjhiyana	08/11/22	18/11/22	46/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
22	202221059300	Published	Dr. Upasana Sinha	MEDICAL IMAGE SEGMENTATION USING CONVOLUTIONAL NEURAL NETWORKS WITH AUTOE		17/10/22	21/10/22	42/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
23	202231058937	Published	Dr. Alok Kumar Singh Kushwaha	An AI-powered portfolio management system for aut	Dr. Alok Kumar Singh Kushwaha	15/10/22	21/10/22	42/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
24	202221056592	Published	Satendra Kumar Nirala	A METHOD OF VALUE ADDITION BY TRANSFORMING	Satendra Kumar Nirala	02/10/22	21/10/22	42/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
25	202221054753	Published	Dr. Prasoon Soni	SYSTEM AND METHOD FOR CAPTURING GROUNDWATER POTENTIAL-ZONE INTEGRATING ARTIFICIAL NEURAL NETWORK AND GROUNDWATER INFLUENCING FACTORS	Dr. Prasoon Soni	23/09/22	28/10/22	43/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
26	202241054444	Published	Dr. S.K. Lanjhiyana	DEVELOPING AND EVALUATING POLYHERBAL FORMU	Dr. S.K. Lanjhiyana	22/09/22	30/09/22	39/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
27	202241054376	Published	Dr. Sarika Agarwal	DEVELOP AI BASED MONITORING SYSTEM FOR STUDENT'S ATTENDANCE AND TEACHER'S FEE		22/09/22	14/10/22	41/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
28	202241054377	Published	Dr. Sarika Agarwal	REDESIGNING ROBOTICS BASED FRAUD DETECTION A	Dr. Sarika Agarwal	22/09/22	14/10/22	41/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
29	202241053333	Published	Dr. Nikita Kashyap	IMPROVED STABILITY AND EFFICIENCY OF ORGANIC T	Dr. Nikita Kashyap	19/09/22	23/09/22	38/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
30	202241052467	Published	Dr. S.K. Lanjhiyana	OPTIMIZATION AND CHARACTERIZATION OF POLYME	Dr. S.K. Lanjhiyana	14/09/22	23/09/22	38/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
31	202231051950	Published	Dr. S.K. Lanjhiyana	DEVELOPMENT OF NANO PARTICLE FORMULATION	Dr. S.K. Lanjhiyana	12/09/22	16/09/22	37/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
32	202221051170	Published	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	07/09/22	28/10/22	43/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
33	202221050938	Published	Dr. S.K. Lanjhiyana	GAMMA RADIATION EFFECTS ON LEAVES AND ROOTS	Dr. S.K. Lanjhiyana	06/09/22	16/09/22	37/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
34	202241050375	Published	Dr. S.K. Lanjhiyana	ANALYSING AND PROVIDING SOLUTIONS FOR A PHYS	Dr. S.K. Lanjhiyana	03/09/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
35	202221050363	Published	Dr. S.K. Lanjhiyana	PROCESS FOR COMPACTING ACETAMINOPHEN AND	Dr. S.K. Lanjhiyana	02/09/22	16/09/22	37/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
36	202221049661	Published	Onkar Kashyap	HEDYCHUM CORONARIUM: A NOVEL THERAPEUTIC T	Onkar Kashyap	30/08/22	11/11/22	45/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
37	202211049075	Published	Dr. KAMTA PRASAD NAMDEO	ARTIFICIAL INTELLIGENCE BASED INTERVENTIONS FOR DEVELOPING STABILITY INDICATING METHOD AND VALIDATION OF ANTI-CANCER DRUG USING RP-HPLC METHOD	Dr. KAMTA PRASAD NAMDEO	28/08/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
38	202211048685	Published	Dr. S.K. Lanjhiyana	MACHINE LEARNING BASED APPROACH TO STUDY AND ANALYSE THE ANTIBACTERIAL EFFECTS OF SILVER NANOPARTICLES FOR HEALING DENTAL ISSUES	Dr. S.K. Lanjhiyana	26/08/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
39	202221048411	Published	Dr. S.K. Lanjhiyana	DISSOLUTION IMPROVEMENT OF GLIMEPIRIDE AND	Dr. S.K. Lanjhiyana	25/08/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
40	202221048369	Published	Dr. S.K. Lanjhiyana	FORMULATION AND ESTIMATION OF WEAKLY SOLUB	Dr. S.K. Lanjhiyana	25/08/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
41	202231047548	Published	Dr. S.K. Lanjhiyana	VULNERABILITIES OF CERVICAL CANCER AND ELECTRI	Dr. S.K. Lanjhiyana	22/08/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
42	202231047425	Published	Dr. S.K. Lanjhiyana	VULNERABILITIES OF CERVICAL CANCER AND ELECTRI	Dr. S.K. Lanjhiyana	20/08/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
43	202211046236	Published	Dr. S.K. Lanjhiyana	DEVELOPING A DRUG FOR ATOPIC DERMATITIS AND	Dr. S.K. Lanjhiyana	13/08/22	26/08/22	34/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
44	202221046050	Published	Dr. S.K. Lanjhiyana	A SYSTEM FOR DIAGNOSIS AND CLASSIFICATION OF B	Dr. S.K. Lanjhiyana	12/08/22	09/09/22	36/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
45	202211045051	Published	Dr. S.K. Lanjhiyana	DEVELOPMENT AND CHARACTERIZE THE ROLE OF SMA	Dr. S.K. Lanjhiyana	07/08/22	19/08/22	33/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf

46	202221044413	Published	Dr. S.K. Lanjhiyana	MOLECULAR IDENTIFICATION AND ANTIFUNGAL ACTIVITY OF ANTIMYCOTICS BY FARNESOL AND REDUCTION OF CANDIDA ALBICANS PATHOGENICITY IN FISSION YEAST	Dr. S.K. Lanjhiyana	03/08/22	19/08/22	33/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
47	202211044190	Published	Dr. S.K. Lanjhiyana	DESIGN OF SMART THIN FILM ACTUATORS FOR BIOMEDICAL APPLICATIONS AND INTERVENING THE COMPLICATIONS OF GENE MUTATIONS IN DIABETIC PATIENTS	Dr. S.K. Lanjhiyana	02/08/22	26/08/22	34/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
48	202241042626	Published	Dr. S.K. Lanjhiyana	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	26/07/22	12/08/22	32/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
49	202221041568	Published	Dr. S.K. Lanjhiyana	A METHOD TO FORMULATE MULTI PARTICULATE FOR	Dr. S.K. Lanjhiyana	20/07/22	01/09/23	35/2023	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
50	202241040993	Published	Dr. S.K. Lanjhiyana	THE DEVELOPMENT AND TESTING OF A FLOATING TA	Dr. S.K. Lanjhiyana	18/07/22	19/08/22	33/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
51	202221038454	Published	Dr. Rohit Raja	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNIN	Dr. Rohit Raja	04/07/22	02/09/22	35/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
52	202221037431	Published	Dr. Jai Singh	RAPID ULTRASONICATION SYNTHESIS OF EFFICIENT AND STABLE CH3NH3PB0.90SN0.10BR2.6CL0.4/PMMA PEROVSKITE QUANTUM DOTS THIN FILMS	Dr. Jai Singh	29/06/22	15/07/22	28/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
53	202241037149	Published	Dr. Atul Kumar Sahu	The tracking of items in logistics and supply chain usin	Dr. Atul Kumar Sahu	28/06/22	08/07/22	27/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
54	202221036766	Published	Ms. Gayatri Devi Biswal	ABUTILON INDICUM EXTRACT AND THEIR ANALGESIC	Ms. Gayatri Devi Biswal	27/06/22	15/07/22	28/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
55	202241035945	Published	Dr. S.K. Lanjhiyana	BIOMEDICAL INTERVENTIONS FOR ANALYSING THE PH	Dr. S.K. Lanjhiyana	22/06/22	08/07/22	27/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
56	202231031901	Published	Pankaj Kumar Gupta	FOUR-LOBED SWIRL-INDUCING PIPE	Pankaj Kumar Gupta	03/06/22	15/09/23	37/2023	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
57	202241026251	Published	Dr. Atul Kumar Sahu	SECURE THE SUPPLY CHAIN MANAGEMENT SYSTEM IN	Dr. Atul Kumar Sahu	05/05/22	13/05/22	19/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
58	202241023089	Published	Dr. Anoop Kumar Sahu	Automotive ERP System over Blockchain Technology	Dr. Anoop Kumar Sahu	19/04/22	06/05/22	18/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
59	202221022529	Published	PARMENDRA BAJPAI	EFFECT OF B-SITE DISORDER ON THE FERRO ELECTRIC	PARMENDRA BAJPAI	16/04/22	19/08/22	33/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
60	202211021299	Published	Robert Mark	ULTRAWIDEBAND RRDA WITH A BEVEL-SHAPED PATC	Robert Mark	09/04/22	15/04/22	15/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
61	202241021032	Published	Mr. Nitin Kumar Sahu	Block chain Based Cloud Storage System	Mr. Nitin Kumar Sahu	07/04/22	22/04/22	16/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
62	202221018493	Published	Dr. Atul Kumar Sahu,	GOVERNMENT FUND ALLOCATION & TRACKING SYST	Dr. Atul Kumar Sahu,	29/03/22	29/04/22	17/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
63	202241012143	Published	Satish Kumar Negi	A smart wearable device for early detection and ident	Satish Kumar Negi	07/03/22	25/03/22	Dec-22	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
64	202231005989	Published	Dr.Rajesh Mahule	A LIGHTWEIGHT METHOD FOR PEER-TO-PEER ENERG	Dr.Rajesh Mahule	04/02/22	11/03/22	Oct-22	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
65	202221000273	Published	Vaibhav Kant Singh	METHOD FOR MIGRATION OF SESSIONS AMONG CIP	Vaibhav Kant Singh	03/01/22	14/01/22	Feb-22	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
66	202221035458	Published	Sonal Banchhor	High Performance geopolymer concrete and preparation method thereof	Sonal Banchhor	21.06.2022	08.07.2022	27/2022	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08302022053046_NAAC%203.4.3%202021-22%20SB%20Patent-%201.pdf
67	202241024364	Published	Sonal Banchhor	Method for the determination of flexural behaviour of reinforced concrete beam	Sonal Banchhor	25.04.2022	27.05.2022	21/2022	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08302022053118_NAAC%203.4.3%202021-22%20SB%20Patent-2.pdf
68	202221017539	Published	Sonal Banchhor	A method to prepare an improved Calcium based alkali activated concrete	Sonal Banchhor	26.03.2022			Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08302022052935_NAAC%203.4.3%202021-22%20SB%20Patent-4.pdf
69	202211018041	Published	Shailendra Kumar, Alok Kushwaha	Development of AI-ENABLE Smart Drip water Irrigation System Using IOT Communication	Shailendra Kumar, Alok Kushwaha	28.03.2022	22.04.2022	16/2022	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08182022063734_alok%201.pdf
70	202211018032	Published	Shailendra Kumar, Alok Kushwaha	Development of Scene Perception System for Visually Impaired People Using IOT Based system	Shailendra Kumar, Alok Kushwaha	28.03.2022	15.04.2022	15/2022	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08182022063805_Alok%202.pdf
71	202241009908	Published	Manisha Dubey	TOURISM AS A DEVELOPMENT STRATEGY IN MICRO REGIONS OF INDIA	Manisha Dubey	24.02.2022	11.3.2022	Oct-22	Guru Ghasidas Vishwavidyalaya	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08302022113856_Patent_Prof.%20Manisha%20Dubay.pdf
72	202241035945	Published	S.K. Lanjhiyana	Biomedical Interventions for analyzing the proteins and genetic factors that are responsible for causing cancer	S.K. Lanjhiyana	22.06.2022	08.07.2022	27/2022	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08232022112648_Patent_Dr%20Lanjhiyana.pdf
73	202241006304	Published	Harish Rajak	Design and Biological study on new Anti-inflammatory hybrid derivatives	Harish Rajak	06.02.2022	11.02.2022	Jun-22	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08292022050929_06.02.2022.pdf

74	202241006224	Published	Harish Rajak	A framework to measure the public health interventions	Harish Rajak	05.02.2022	11.02.2022	Jun-22	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08292022050749_05.02.2021.pdf
75	202141059326	Published	Harish Rajak	A Machine Learning Model to Predict the Severity of Cancer and to Decrease Surgical Treatment	Harish Rajak	20.12.2021	04.02.2022	May-22	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08292022051308_20.12.2021.pdf
76	202141057716	Published	Anoop Kumar Sahu	IMPACT ON JOB SATISFACTION IN COMPANY/INDUSTRY	Anoop Kumar Sahu	11.12.2021	28.01.2022	Apr-22	Guru Ghasidas Vishwavidyalaya	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08302022104925_Dr.%20Anoop%20Kumar%20Sahu%20Title%20of%20the%20invention%20%20IMPACT%20ON%20JOB%20SATISFACTION%20IN%20COMPANYINDUSTRY%2028.01.2022.pdf
77	202221052604	Published	Hem Prabha, Chhaya Nanda, Nidhi Lohitkar, Pratima Dutta, Satendra Kumar Nirala, Dr Monika Bhadauria	VALUE ADDITION OF CHICKEN EGGS: A METHOD TO SUSTAIN EXTERNAL AND INTERNAL QUALITY AND TO ENHANCE SHELF LIFE OF EGGS BY EXTERNAL COATING OF COMBINATION OF A SOLUTION OF SHELLAC AND PROPOLIS THEREOF	Satendra Kumar Nirala, Dr Monika Bhadauria	15.09.2022	21.10.2022	202221052604	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/12132022080241_21.10.2022.pdf
78	202241059892	Published	Sonal Banchhor	DEVELOPMENT OF ECO-FRIENDLY SELF-CURING CONCRETE FOR A FUTURISTIC TECHNOLOGY	Sonal Banchhor	20.10.2022	28.10.2022	202241059892	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/12132022080857_28.10.2022.pdf
79	202021046493	Published	Dilipkumar Pal, Khusboo Raj	SYNTHESIS OF DERIVATIVES OF 4, 5-DIMETHYL-1-PHENYL-1H-IMIDAZOLE RELATED COMPOUNDS AND THEIR EVALUATION	Dilipkumar Pal, Khusboo Raj	25.10.2020	29.04.2022	440468	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/12132022081053_29.04.2022.pdf
80	2021104045	Granted	Gupta, Aditya Kumar; Devi, G. Radha; Kumari, Pilli Lalitha; Kumar, D. Sai; Krishna, B. Hari; Vani, G.; Jiddu, Jaylaxshmi; Mahapatra, Sakuntala; Satpathy, Rabinarayan; Jaiswal, Tarun; Jaiswal, Sushma and S., Ashwini	FAILURE NODES DETECTION AND RECOVERY SYSTEM IN CLOUD COMPUTING TO IMPROVE	Gupta, Aditya Kumar; Devi, G. Radha; Kumari, Pilli Lalitha; Kumar, D. Sai; Krishna, B. Hari; Vani, G.; Jiddu, Jaylaxshmi; Mahapatra, Sakuntala; Satpathy, Rabinarayan; Jaiswal, Tarun; Jaiswal, Sushma and S., Ashwini	11/07/21	25/08/21	2021104045	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021104045
81	2021105525	Granted	Kalpna, G.; Maragani, Satish Kumar; L., Sathish Kumar.; Vasavi, G.; Rao, Chennamsetty Madhusudhana; Rani, Kalpana, G.; Maragani, Satish Kumar; L., Sathish Kumar.; Vasavi, G.; Rao, Chennamsetty Madhusudhana; Rani, V. Vasudha; Kumar, K. R. N. Kiran; Sarangi, Sanjaya Kumar; Agrawal, Sandeep Kumar; Senthilmurugan, S.; Jaiswal, Tarun and Jaiswal, Sushma	MOBILE USER TRAJECTORY PREDICTION SYSTEM WITH EXTREME MACHINE LEARNING ALGORITHM	Kalpna, G.; Maragani, Satish Kumar; L., Sathish Kumar.; Vasavi, G.; Rao, Chennamsetty Madhusudhana; Rani, V. Vasudha; Kumar, K. R. N. Kiran; Sarangi, Sanjaya Kumar; Agrawal, Sandeep Kumar; Senthilmurugan, S.; Jaiswal, Tarun and Jaiswal, Sushma	15/08/21	27/10/21	2021105525	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021105525
82	2021103446	Granted	Mummana, Satyanarayana; T., Suma; Saveetha, V.; Grace, R. Kingsy; Anantha, N. Lakshmi; Rajasekaran, P.; Satpathy, Rabinarayan; Muni, T. Vijay; Sharma, Ashwini; Aravinda, N. L.; Jaiswal, Tarun and Jaiswal, Sushma	ENERGY EFFICIENT WIRELESS SENSOR NETWORK WITH OPTIMIZED CLUSTERING AND COMPRESSIVE SAMPLING	Mummana, Satyanarayana; T., Suma; Saveetha, V.; Grace, R. Kingsy; Anantha, N. Lakshmi; Rajasekaran, P.; Satpathy, Rabinarayan; Muni, T. Vijay; Sharma, Ashwini; Aravinda, N. L.; Jaiswal, Tarun and Jaiswal, Sushma	18/06/21	22/09/21	2021103446	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021103446
83	2021103249	Granted	Ahmad, Shahnawaz; Mehruz, Shabana; Vetrivel, T.; Anveshini, Dumala; Senapati, Manas Ranjan; Raghavarao, Y. V.; Satpathy, Rabinarayan; Devaraju, S.; Srinivas, Mandadi; Jaiswal, Sushma; Jaiswal, Tarun and G., Pavithra	A NOVEL MULTI-LEVEL OPTIMIZATION FOR TASK SCHEDULING AND LOAD BALANCING IN CLOUD	Ahmad, Shahnawaz; Mehruz, Shabana; Vetrivel, T.; Anveshini, Dumala; Senapati, Manas Ranjan; Raghavarao, Y. V.; Satpathy, Rabinarayan; Devaraju, S.; Srinivas, Mandadi; Jaiswal, Sushma; Jaiswal, Tarun and G., Pavithra	10/06/21	08/09/21	2021103249	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021103249
84	2021103132	Granted	Badashah, Syed Jahangir; Naidu, S.Mani; Senapati, Manas Ranjan; Garladinne, Ravikanth; Khamuruddeen, Shaik; Murthy, Namuduri SSR; Rammurthy, D.; Gagnani, Lokesh P; Satpathy, Rabinarayan; Jaiswal, Tarun; Jaiswal, Sushma and Reddy, A.V.Sudhakara	A NOVEL MULTI-LEVEL OPTIMIZATION FOR TASK SCHEDULING AND LOAD BALANCING IN CLOUD	"Badashah, Syed Jahangir; Naidu, S.Mani; Senapati, Manas Ranjan; Garladinne, Ravikanth; Khamuruddeen, Shaik; Murthy, Namuduri SSR; Rammurthy, D.; Gagnani, Lokesh P; Satpathy, Rabinarayan; Jaiswal, Tarun; Jaiswal, Sushma and Reddy, A.V.Sudhakara"	05/06/21	22/09/21	2021103132	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021103132

85	2021102961	Granted	Jaiswal, Sushma ; Achanta, Sampath Dakshina Murthy ; Ziya Gous, Mahmud ; Kumar, K. Kranthi ; Lalitha Kumari, Pilli ; Nandikolla, Supriya ; Madhusudhana Rao, G. ; Jaiswal, Tarun ; Rao, P. Sambasiva ; Suneela, B. ; Gudivada, Vijaya Kumar ; Dutta, Pjush	AN IoT BASED SYSTEM FOR TRACING AND RECOGNIZING AN OBJECT	Jaiswal, Sushma ; Achanta, Sampath Dakshina Murthy ; Ziya Gous, Mahmud ; Kumar, K. Kranthi ; Lalitha Kumari, Pilli ; Nandikolla, Supriya ; Madhusudhana Rao, G. ; Jaiswal, Tarun ; Rao, P. Sambasiva ; Suneela, B. ; Gudivada, Vijaya Kumar ; Dutta, Pjush	29/05/21	30/06/21	2021102961	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102961
86	2021102581	Granted	Sarwade, Prakash Pralhad ; Jaiswal, Sushma ; J., Praveen ; Upadhyay, Mukesh ; Yadav, Ruchi ; Lakwal, Vijay Ramkisan ; Rajput, Aishwarya Prensing ; Ezhilselvi, R. Indra Mary ; Kumar, Manish ; Thimmaraju, Pavan Kumar ; Buttar, Ahmed Mateen	A NOVEL VLSI BASED ARCHITECTURE FOR STROKE DETECTION USING OPTIMIZED RESOURCE ALLOCATION	Sarwade, Prakash Pralhad ; Jaiswal, Sushma ; J., Praveen ; Upadhyay, Mukesh ; Yadav, Ruchi ; Lakwal, Vijay Ramkisan ; Rajput, Aishwarya Prensing ; Ezhilselvi, R. Indra Mary ; Kumar, Manish ; Thimmaraju, Pavan Kumar ; Buttar, Ahmed Mateen	14/05/21	08/07/21	2021102581	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102581
87	2021102309	Granted	Jaiswal, Tarun ; Jaiswal, Sushma ; Raghuram, K.S. ; Sreenivasulu, Mude ; Kumar, M.Anjan ; Kalarani, S. ; Sumaiya, Sk. ; Mahalaxmi, U.S.B.K. ; Bhuvanewari, C. ; Suneela, B. ; Ahmad, Shah Nawaz ; Selvaknmani, S.	AN EFFICIENT IRIS RECOGNITION SYSTEM WITH COMPLETE LOCAL TERNARY PATTERN FEATURE EXTRACTION AND CLASSIFICATION METHOD	Jaiswal, Tarun ; Jaiswal, Sushma ; Raghuram, K.S. ; Sreenivasulu, Mude ; Kumar, M.Anjan ; Kalarani, S. ; Sumaiya, Sk. ; Mahalaxmi, U.S.B.K. ; Bhuvanewari, C. ; Suneela, B. ; Ahmad, Shah Nawaz ; Selvaknmani, S.	30/04/21	16/06/21	2021102309	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102309
88	2021101904	Granted	Haque, M. Akiful ; Jaiswal, Sushma ; S., Prathik ; Balachander, Bhuvanewari ; Kumar, T. C. H. Anil ; Ranjani, R. ; Srilalitha, Sapram ; Sharma, Deepankar ; D., Maheswari. ; Ohmshankar, S.	ARTIFICIAL NEURAL NETWORK BASED EARLY DIAGNOSIS OF DIABETES MELLITUS	Haque, M. Akiful ; Jaiswal, Sushma ; S., Prathik ; Balachander, Bhuvanewari ; Kumar, T. C. H. Anil ; Ranjani, R. ; Srilalitha, Sapram ; Sharma, Deepankar ; D., Maheswari. ; Ohmshankar, S.	14/04/21	19/05/21	2021101904	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101904
89	2021101744	Granted	Shrivastava, Anurag ; Singh, Ashutosh Kumar ; Jaiswal, Sushma ; Jain, Jay Kumar ; Sharma, Amit Kumar ; Bolukonda, Deepthi ; Reddy, Kamasani Chandrasekhar ; Chaurasia, Pawan Kumar ; Ilyas, Md ; Raghuvanshi, Rajeev ; Verma, Ashwin	THE WASTE SEGREGATION METHOD USING MACHINE LEARNING TECHNIQUE	Shrivastava, Anurag ; Singh, Ashutosh Kumar ; Jaiswal, Sushma ; Jain, Jay Kumar ; Sharma, Amit Kumar ; Bolukonda, Deepthi ; Reddy, Kamasani Chandrasekhar ; Chaurasia, Pawan Kumar ; Ilyas, Md ; Raghuvanshi, Rajeev ; Verma, Ashwin	04/06/21	19/05/21	2021101744	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101744
90	2021101172	Granted	Jaiswal, Sushma ; R., Sridevi ; TOOMULA, SRILATHA ; Raj Singh, Shiv ; Arora, Tarun Kumar ; Kumar Chaubey, Pavan ; Jaiswal, Tarun ; Agarwal, Seema ; Sathish, A. ; Vatchala, S.	DESIGN AND IMPLEMENTATION OF CONVOLUTION NEURAL NETWORK ON EDGE COMPUTING SMART PHONE FOR HUMAN ACTIVITY RECOGNITION	Jaiswal, Sushma ; R., Sridevi ; TOOMULA, SRILATHA ; Raj Singh, Shiv ; Arora, Tarun Kumar ; Kumar Chaubey, Pavan ; Jaiswal, Tarun ; Agarwal, Seema ; Sathish, A. ; Vatchala, S.	04/03/21	21/04/21	2021101172	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101172
91	2021101174	Granted	Jaiswal, Sushma ; Kamal, Neel ; Misra, Anuranjan ; Priyadharsini, M. ; Kumar, Avinash ; Chaudhari, Shrikant Ulhas ; Patil, Mallikarjunagouda ; Raghuvanshi, Rajeev ; Krishnamoorthy, R. ; Bharamagoudar, Geeta R.	SOLAR PV POWER INTEGRATED SMART GRID BASED ENERGY MANAGEMENT SYSTEM	Jaiswal, Sushma ; Kamal, Neel ; Misra, Anuranjan ; Priyadharsini, M. ; Kumar, Avinash ; Chaudhari, Shrikant Ulhas ; Patil, Mallikarjunagouda ; Raghuvanshi, Rajeev ; Krishnamoorthy, R. ; Bharamagoudar, Geeta R.	05/03/21	21/04/21	2021101174	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101174
92	2021103573	Granted	Dheeraj Ahirwar, R. N. Patil, DN Jhade, Bharti Ahirwar, Anish Chandi and Mohit	Formulation Derived from Phytoconstituents for Treatment of Diabetes	Dheeraj Ahirwar, R. N. Patil, DN Jhade, Bharti Ahirwar, Anish Chandi and Mohit	01/01/19	21/07/21	2021103573	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022045257_BA-2021103573-Innovation%20Patent%20%20Certificate%20(1).pdf
93	2021103481	Granted	Dheeraj Ahirwar, Sandeep Gupta, DN Jhade, Bharti Ahirwar, Ritesh Jain and Mohit	Contraceptive Composition	Dheeraj Ahirwar, Sandeep Gupta, DN Jhade, Bharti Ahirwar, Ritesh Jain and Mohit		04/08/21	2021103481	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022045035_BA-2021103481-Innovation%20Patent%20%20Certificate%20(1).pdf
94	2021106458	Granted	Utpal Jana, Guru Prasad Mohanta, Dheeraj Ahirwar, Bharti Ahirwar, Dibyajyoti Saha, Babita Sarangi	Nebivolol loaded poly (D, L-Lactic-co-glycolic acid) or (PLGA) Nanoparticles for high blood pressure	Utpal Jana, Guru Prasad Mohanta, Dheeraj Ahirwar, Bharti Ahirwar, Dibyajyoti Saha, Babita Sarangi		20/10/21	2021106458	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022044758_Patent-BA-PLGA.pdf
95	201821038243	Granted	Vivekananda Mandal, Kavi Bhusan Singh Chouhan, Rajendra Mehta, Roshni Tandey, Kamal Kumar Sen	A SOLVENT FREE MICROWAVE ASSISTED EXTRACTION OF VOLATILE OIL FROM MENTHA SPICATA LEAVES	Vivekananda Mandal, Kavi Bhusan Singh Chouhan, Rajendra Mehta, Roshni Tandey, Kamal Kumar Sen	09/10/18	29/07/21	373262	Department of Pharmacy, GGV	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022051548_patent_kavi.pdf

96	201721025305	Granted	Sant Kumar Verma, Suresh Thareja, Manoj Kumar, T R Bhardwaj, Akhlesh Kumar Jain,	NOVEL 5-[4-(2-BIPHENYL-4-YL-2-OXOETHOXY)-BENZYLIDENE]-THIAZOLIDINE-2,4-DIONES, THEIR SYNTHESIS AND USES THEREOF	Guru Ghasidas University	17/07/17	25/11/21	382675	Department of Pharmacy, GGV	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/12252022093348_Patent-AKJ.pdf
97	2021102807	Granted	Kundan Meshram	A DEVICE AND METHOD TO IMPROVE THE EFFICIENCY OF CONSTRUCTION SITES USING IOT ENABLED DIGITAL TWINS	Kundan Meshram	24/05/21	30/06/21	2021102807	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2021102807&resultsPerPage=
98	2021100780	Granted	Dr. Alok Kumar Singh Kushwaha	SMART BATHROOM SYSTEM AND METHOD	Dr. Alok Kumar Singh Kushwaha	09/02/21	22/04/21	2021100780	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100780
99	2021101385	Granted	Dr. Alok Kumar Singh Kushwaha	DELICATE VIBRATORY INSTRUMENT FOR NEONATES ORAL MOTOR SIMULATION	Dr. Alok Kumar Singh Kushwaha	17/03/21	13/05/21	2021101385	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101385
100	2021102958	Granted	Dr. Alok Kumar Singh Kushwaha	A SYSTEM AND METHOD FOR PREVENTING CORONA VIRUS TRANSMISSION	Dr. Alok Kumar Singh Kushwaha	29/05/21	12/08/21	2021102958	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102958
101	2020104385	Granted	Pinjarkar, Latika; Bonde, Padma; Mohiddin, Md. Khaja; Kumar Nagwanshi, Kapil; Verma, Upendra; Rani, Shilpa; Kumar, Sandeep; Kumar Soni, Anil; Raja, Rohit; Singh Kushwaha, Alok Kumar; Chandra Srivastava, Sharad	A SYSTEM AND A METHOD FOR AUTOMATED IRRIGATION USING INTERNET OF THINGS	Bonde, Padma DR; Chandra Srivastava, Sharad DR; Kumar Nagwanshi, Kapil DR; Kumar Soni, Anil DR; Kumar, Sandeep DR; Mohiddin, Md. Khaja; Pinjarkar, Latika DR; Raja, Rohit DR; Rani, Shilpa; Singh Kushwaha, Alok Kumar DR; Verma, Upendra DR	29/12/20	03/03/21	2020104385	Guru Ghasidas Vishwavidyalaya, Bilaspur	IP Australia: AusPat Application Details
102	2021101073	Granted	Marrwala, Nikhil; Vohra, Anil; Sharma, Reena; Rathore, Deepak; Bachan, P.; Panda, Sunita; Anarase, Deepali Shantilal; Shanbhog, Manjula; Jodha, Rajshree; Bhandari, Rahul; Sampath, A. K.; Ghuge, Aditya Chandrakant; Panday, Krishna	ADAPTIVE CLUSTERING BASED ENERGY EFFICIENT SYSTEM FOR INTELLIGENT ROUTING IN WIRELESS SENSOR NETWORKS	Anarase, Deepali Shantilal; Bachan, P.; Bhandari, Rahul; Ghuge, Aditya Chandrakant; Jodha, Rajshree; Marrwala, Nikhil DR; Panda, Sunita; Panday, Krishna; Rathore, Deepak; Sampath, A. K.; Shanbhog, Manjula; Sharma, Reena; Vohra, Anil	27/02/21	14/04/21	2021101073	Guru Ghasidas Vishwavidyalaya, Bilaspur	IP Australia: AusPat Application Details
103	AU 2021100341 A4	Granted	Dr. Santosh Soni	HEALTH RELATED CRISIS READY PLAN THROUGH WIRELESS SENSOR NETWORK AND THE CLOUD COMPUTING AT POPULATED SPOTS	Dr. Santosh Soni	19/01/21	15/04/21	2021100341	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100341
104	2021102314	Granted	Dr. Amit Kumar Dewangan	AN INTERNET OF THINGS BASED SMART PARKING SYSTEM AND IT'S METHOD THEREOF	Dr. Amit Kumar Dewangan	01/05/21	02/06/21	2021102314	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=++2021104218&resultsPerPage=
105	2020103853	Granted	Dr Rohit Raja	DYNAMIC DIGITAL TWIN SYSTEM AND A METHOD OF OPERATING THEREOF	Dr Rohit Raja	02/12/20	27/01/21	2020103853	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2020103853
106	2020104385	Granted	Dr Rohit Raja	A SYSTEM AND A METHOD FOR AUTOMATED IRRIGATION USING INTERNET OF THINGS	Dr Rohit Raja	29/12/20	03/03/21	2020104385	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2020104385
107	2021100059	Granted	Dr Rohit Raja	SELF-CLEANING AND GERM-KILLING REVOLVING PUBLIC TOILET FOR COVID	Dr Rohit Raja	06/01/21	10/03/21	2021100059	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100059
108	2021100285	Granted	Dr Rohit Raja	NOVEL 3D PRINTED BIONIC PROSTHETIC LEG	Dr Rohit Raja	17-Jan-2021	07/04/21	2021100285	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100285
109	2021102314	Granted	Dr Rohit Raja	AN INTERNET OF THINGS BASED SMART PARKING SYSTEM AND ITS METHOD THEREOF	Dr Rohit Raja	01/05/21	02/06/21	2021102314	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102314
110	2021101385	Granted	Dr Rohit Raja	DELICATE VIBRATORY INSTRUMENT FOR NEONATES ORAL MOTOR SIMULATION	Dr Rohit Raja	17/03/2021	28/04/21	2021101385	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101385
111	2021102958	Granted	Dr Rohit Raja	A SYSTEM AND METHOD FOR PREVENTING CORONA VIRUS TRANSMISSION	Dr Rohit Raja	29/05/21	28/07/21	2021102958	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102958
112	2021106885	Granted	Dr Rohit Raja	AN EMOTION DETECTION SYSTEM AND METHOD USING PATTERN RECOGNITION	Dr Rohit Raja	24/08/21	17/11/21	2021106885	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021106885
113	202111002128	Granted	Dr Rohit Raja	FACE EMOTIONS RECOGNITION BASED ON DEEP LEARNING FOR SMART AND SECURED CHILD CARE TAKER	Dr Rohit Raja	29/01/21	30/12/21	385681	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
114	2020104031	Granted	Prof T.V. Arjunan	TWISTED MICRO-FINS EVACUATED TUBE SOLAR AIR HEATER	Pankaj Kumar Gupta, Prof. T.V. Arjunan, BIN, SOPIAN DATO' TS DR KAMARUZZAMAN, YAHYA., M.SC .DR. IR. M. , M.M. Matheswaran, S. Vijayan	12/12/2020	10/02/21	2020104031	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://www.patentguru.com/assignee/yahya-m-sc-dr-ir-m-prof

115	2021100087	Granted	Arjunan, T.V.; Patanwar, Pradeep; Bhaskar, Manish; Kumar Gupta, Pankaj; Jangde, Prashant; Singh Thakur, Anurag; Vijayan, S.; Matheswaran, M.M.; Veerakumar, A.; Venkatramanan, R. and Seenivasan, D.	LONGITUDINAL FINS EVACUATED TUBE SOLAR AIR HEATER	Prof. T.V. Arjunan, Manish Bhaskar, Prashant Jangde, D. Seenivasan., R. Venkatramanan, A. Veera Kumar, Gupta Kumar Pankaj, M.M. Matheswaran, Pradeep Patanwar, Anurag Sing Thakur and S. Vijayan	01-07-21	31/03/21	2021100087	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/12062022040606_Innovation_Patent_Certificate_31-03-2021.pdf
116	2021100439	Granted	Chandra Srivastava, Sharad; Srivastava, Sumit; Sharaff, Aakanksha; Sharma, Suraj; Shrivastava, Akhilesh Kumar; Saritha, S. K.; Tandan, S. R.; Jain, Swati; Sinha, Upasana; Nayyar, Anand and Sharma, Abhishek	HOME AUTOMATION BASED ON USER DETECTION USING INTERNET OF THINGS	Chandra Srivastava, Sharad; Srivastava, Sumit; Sharaff, Aakanksha; Sharma, Suraj; Shrivastava, Akhilesh Kumar;	23/01/21	07/04/21	2021100439	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06252022023555_439_patent.pdf
117	2021102315	Granted	Tiwaari, Jeetendra Kumar; Srivastava, Sumit; Chande, Manoj Kumar; Thakur, Mukesh; Deepak, S. S. K.; Sahu, Dileshwar Kumar; Borkar, Pravin Kumar; Srivastava, Sharad Chandra and Tiwari, Shrikant	METHOD AND APPARATUS FOR AIR FILTRATION FOR EXHAUST SILENCER OF A VEHICLE	Tiwaari, Jeetendra Kumar; Srivastava, Sumit; Chande, Manoj Kumar; Thakur, Mukesh; Deepak, S. S. K.; Sahu, Dileshwar Kumar; Borkar, Pravin Kumar; Srivastava, Sharad Chandra and Tiwari, Shrikant	01/05/21	23/06/21	2021102315	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06252022023735_Innovation_Patent_Certificate_23-06-2021.pdf
118	2020102636	Granted	Alok Kumar Singh Kushwaha, Rohit Raja	SBDA-Secured Bra for Women Safety: Smart and Secured Bra for Women Safety Based on Deep Learning Algorithm	Alok Kumar Singh Kushwaha	10/08/20	26/11/20	2020102636	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://www.ipaustralia.gov.au/patents/understanding-patents/searching-patents
119	1530/MUM/2013	Granted	Ahirwar Bharti	Method of preparation of herbal contraceptives	Ahirwar Bharti	26/04/13	20/03/20	335400	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/Patent_search
120	2021101077	Published	Dr Amit Kumar Chandanan, Dr Vikas Kumar Pandey	SMART SHUTTER ASSEMBLY SYSTEM	Dr Amit Kumar Chandanan		29/04/21		Australian Govt	https://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2021101077&resultsPerPage=
121	2021100439	Published	Dr Akhilesh Kumar Shrivastava	Home Automation based on User Detection using Internet of Things	Dr Akhilesh Kumar Shrivastava		07/04/21		Australian Govt	https://www.ipaustralia.gov.au/patents
122	202141056431	Published	DR.SUSHMA JAISWAL	A SYSTEM BASED ON THERMAL IMAGE PROCESSING FOR SUBCUTANEOUS DETECTION OF VEINS, BONES AND METHOD THEREOF	DR.SUSHMA JAISWAL	06/12/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
123	202141056911	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT WEARABLE DEVICE TO MONITOR BLOOD GLUCOSE LEVELS OF A DIABETES PATIENT AND GENERATE INSUARTIFICIAL PANCREAS	DR.SUSHMA JAISWAL	07/12/2021	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
124	202141056091	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT ROBOTIC COOKING KITCHEN USING HAPTIC TECHNOLOGY	DR.SUSHMA JAISWAL	12-03-2021	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
125	202141055545	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR FINGERPRINT IMAGE PROCESSING FOR AN ELECTRONIC DEVICE AND METHOD THEREOF	DR.SUSHMA JAISWAL	30/11/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
126	202121055035	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR CARDIAC OUTPUT ESTIMATION & PREDICTION USING MACHINE LEARNING INTERFACES AND METHOD THEREOF	DR.SUSHMA JAISWAL	28/11/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
127	202141054994	Published	DR.SUSHMA JAISWAL	HYBRID HUMAN-MACHINE LEARNING METHOD TO PROVIDE REAL-TIME PERSONALIZED HOSPITALITY SELF-SERVICE CHECK-IN SYSTEM GUESTS	DR.SUSHMA JAISWAL	27/11/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
128	202141053855	Published	DR.SUSHMA JAISWAL	IoT BASED EVENT DRIVEN AIR QUALITY SENSOR NETWORK TO DETECT FOREST FIRES USING DRONE BASED INTELLIGENT MICRO ELECTROMECHANICAL SYSTEMS (MEMS) TECHNOLOGY	DR.SUSHMA JAISWAL	23/11/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
129	202131053753	Published	DR.SUSHMA JAISWAL	A DATA PROCESSING SYSTEM AND METHOD FOR VEHICLE-END DEVICE WITH A CLOUD COMPUTING	DR.SUSHMA JAISWAL	23/11/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
130	202141053048	Published	DR.SUSHMA JAISWAL	WEARABLE SWEAT SENSOR BASED INTELLIGENT DEVICE TO DETECT THE STRESS LEVELS OF A PATIENT BY MONITORING CORISTOL ANDGLUCOSE LEVELS	DR.SUSHMA JAISWAL	18/11/21	03/12/21	49/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf

131	202131052161	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR DETERMINING INDOOR LOCATION USING A DIGITAL VISUAL SYSTEM BASED ON INTERNET OF THINGS (IOT) AND METHO	DR.SUSHMA JAISWAL	14/11/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
132	202141052156	Published	DR.SUSHMA JAISWAL	BRAIN INSPIRED ARIFICIAL INTELLIGENCE IMPLANT TO DETECT HEART DISEASE USING RESERVOIR COMPUTING	DR.SUSHMA JAISWAL	13/11/21	03/12/21	49/2022	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
133	202141051706	Published	DR.SUSHMA JAISWAL	AN AI & ML BASED SYSTEM FOR FABRICATING POWER VLSI DIODE DEVICES AND METHOD THEREOF	DR.SUSHMA JAISWAL	11/11/21	26/11/21	48/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
134	202141051612	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR TAGGING IOT DEVICE BASED ON CONVOLUTIONAL NEURAL NETWORK (CNN) AND METHOD THEREOF	DR.SUSHMA JAISWAL	10/11/21	03/12/21	49/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
135	202141050901	Published	DR.SUSHMA JAISWAL	A MEDICAL IMAGE PROCESSING SYSTEM, IMAGE PROCESSING METHOD, AND MEDICAL IMAGE PROCESSING DEVICE	DR.SUSHMA JAISWAL	06/11/21	03/12/21	49/2022	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
136	202131050687	Published	DR.SUSHMA JAISWAL	A SYSTEM BASED ON DEEP LEARNING THREE-DIMENSIONAL PIPELINE RECONSTRUCTION AND METHOD THEREOF	DR.SUSHMA JAISWAL	04/11/21	10/12/21	50/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
137	202141050202	Published	DR.SUSHMA JAISWAL	AN IOT BASED SYSTEM FOR ALARM CLOCK HAVING TEMPERATURE MEASUREMENT FUNCTION AND METHOD THEREOF	DR.SUSHMA JAISWAL	02/11/21	19/11/21	47/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
138	202131049863	Published	DR.SUSHMA JAISWAL	AN IMAGE PROCESSING SYSTEM FOR TOUCH DISPLAY PRODUCT, STORAGE MEDIUM & ELECTRONIC DEVICE	DR.SUSHMA JAISWAL	30/10/21	12/11/21	46/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
139	202141049308	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR ENCODING AND DECODING DATA USING CLOUD COMPUTING AND METHOD THEREOF	DR.SUSHMA JAISWAL	28/10/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
140	202141048690	Published	DR.SUSHMA JAISWAL	FALLING CAT INSPIRED INTELLIGENT QUADRUPEDAL ROBOT TO ASSIST PEOPLE DURING RISKY MOUNTAIN TREKKING	DR.SUSHMA JAISWAL	25/10/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
141	202141048454	Published	DR.SUSHMA JAISWAL	AN ARTIFICIAL INTELLIGENCE BASED WIRELESS COMMUNICATION SYSTEM, CONTROL DEVICE AND METHOD THEREOF	DR.SUSHMA JAISWAL	24/10/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
142	202141047288	Published	DR.SUSHMA JAISWAL	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	DR.SUSHMA JAISWAL	18/10/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
143	202141047024	Published	DR.SUSHMA JAISWAL	MACHINE LEARNING BASED INTELLIGENT SENSOR FRAMEWORK TO ASSIST FARMERS IN WEATHER FORECASTING FOR APPROPRIATE CRCLTIVATION	DR.SUSHMA JAISWAL	18/10/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
144	202111046812	Published	DR.SUSHMA JAISWAL	A CLOUD COMPUTING TECHNOLOGY-BASED FILE MANAGEMENT AND UPLOADING METHOD & APPARATUS	DR.SUSHMA JAISWAL	13/10/21	29/10/21	44/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
145	202141046585	Published	DR.SUSHMA JAISWAL	INTELLIGENT AGRICULTURE – SMART IOT SYSTEM TO ASSIST FARMERS IN EFFECTIVE DECISION MAKING USING DATA SCIENCE	DR.SUSHMA JAISWAL	12/10/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
146	202141046324	Published	DR.SUSHMA JAISWAL	AI AND WIRELESS BASED SMART DRUG PRESCRIPTION MANAGEMENT FOR AUTONOMOUS DRUG DELIVERY SYSTEM	DR.SUSHMA JAISWAL	11/10/21	29/10/21	44/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
147	202141045592	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT SMART WATCH FOR EARLY DETECTION OF HEART ATTACKS IN PATIENTS SUFFERING FROM CARDIOVASCULOSIDISEASES	DR.SUSHMA JAISWAL	07/10/21	15/10/21	42/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf

148	202141044803	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT WEARABLE HELMET FOR EARLY DETECTION OF STROKE IN PATIENTS	DR.SUSHMA JAISWAL	03/10/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
149	202141043814	Published	DR.SUSHMA JAISWAL	A CONNECTOR MODULE FOR A VLSI CIRCUIT WITH A BATTERY PACK	DR.SUSHMA JAISWAL	27/09/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
150	202141043325	Published	DR.SUSHMA JAISWAL	AN EFFICIENT PREDICTION AND ASSESSMENT OF VEHICLES IN REAL TIME TRAFFIC	DR.SUSHMA JAISWAL	24/09/21	05/11/21	45/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
151	202141043000	Published	DR.SUSHMA JAISWAL	A Novel Multimodal Medical Image Fusion System with Pixel Level Fusion	DR.SUSHMA JAISWAL	22/09/21	29/10/21	44/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
152	202111041771	Published	DR.SUSHMA JAISWAL	BLOCKCHAIN BASED INTERNET OF THINGS SYSTEM WITH DATA PROCESSING AND CLEANING METHOD TO THE SENSOR DATA	DR.SUSHMA JAISWAL	15/09/21	01/10/21	40/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
153	202141041757	Published	DR.SUSHMA JAISWAL	SENSOR-BASED INTELLIGENT DIGITAL NOSE FOR ANALYSING THE BREATHING PATTERNS OF LUNG CANCER PATIENTS USING MACHINE	DR.SUSHMA JAISWAL	15/09/21	01/10/21	40/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
154	202131041447	Published	DR.SUSHMA JAISWAL	AN APPARATUS FOR AUTOMATED DATA COLLECTION, MANAGEMENT, AND REPORTING BASED ON DEEP LEARNING AND ARTIFICIAL INT	DR.SUSHMA JAISWAL	14/09/21	26/11/21	48/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
155	202141040841	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR PREAMBLE DATA GENERATION AND ENCODING NESTED QR CODE AND METHOD THEREOF	DR.SUSHMA JAISWAL	09/09/21	24/09/21	39/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
156	202141040214	Published	DR.SUSHMA JAISWAL	DRAGONFLY BRAIN-INSPIRED INTELLIGENT ROBOTIC DRONE TO REMOVE WEEDS IN AGRICULTURAL FARM PLANTS	DR.SUSHMA JAISWAL	05/09/21	24/09/21	39/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
157	202131039493	Published	DR.SUSHMA JAISWAL	MULTIFUNCTION HEAT TRANSMISSION SIMULATOR WITH AI AND MACHINE LEARNING	DR.SUSHMA JAISWAL	31/08/21	17/09/21	38/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
158	202141038588	Published	DR.SUSHMA JAISWAL	AN IMAGE ANALYSIS DEVICE USING DEEP LEARNING DATA MODELLING AND METHOD THEREOF	DR.SUSHMA JAISWAL	25/08/21	03/09/21	36/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
159	202111038153	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR CLOUD MONITORING AND REPAIR METHOD IN AN IOT NETWORK	DR.SUSHMA JAISWAL	23/08/21	03/09/21	36/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
160	202141038129	Published	DR.SUSHMA JAISWAL	THE SYSTEM AND APPARATUS FOR PRECISELY SMART FARMING."	DR.SUSHMA JAISWAL	23/08/21	24/09/21	39/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
161	202141038028	Published	DR.SUSHMA JAISWAL	Image Reconstruction Method Via Iterative Linear Interpolation Using Verge Points.	DR.SUSHMA JAISWAL	23/08/21	24/09/21	39/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
162	202141037739	Published	DR.SUSHMA JAISWAL	INTELLIGENT PREDICTION AND IMAGE GENERATION MODEL USING MACHINE LEARNING TO TRAIN SELF-DRIVING CARS	DR.SUSHMA JAISWAL	20/08/21	27/08/21	35/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
163	202141037545	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR PROVIDING IOT BASED SECURITY MODULE FOR GUEST SECURITY IN IOT NETWORK AND METHOD THEREOF	DR.SUSHMA JAISWAL	18/08/21	27/08/21	35/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
164	202141037164	Published	DR.SUSHMA JAISWAL	A NOVEL BLOCK BASED FEATURE LEVEL IMAGE FUSION SYSTEM USING LWT AND NEURAL NETWORKS	DR.SUSHMA JAISWAL	17/08/21	27/08/21	35/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf

165	202141036940	Published	DR.SUSHMA JAISWAL	Isotropic Antenna based on AI & ML Interface having Multifunctional guide-wire assemblies	DR.SUSHMA JAISWAL	15/08/21	20/08/21	34/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
166	202141036605	Published	DR.SUSHMA JAISWAL	Sensor Based Intelligent Brain Computer Interface System for Assisting Hand Paralyzed Patients to Perform Typing by Brain	DR.SUSHMA JAISWAL	12/08/21	20/08/21	34/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
167	202111036217	Published	DR.SUSHMA JAISWAL	A SYSTEM HAVING SYNCHRONOUS SIGNALING FOR INTERFACING VLSI CIRCUITS	DR.SUSHMA JAISWAL	11/08/21	03/09/21	36/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
168	202141034610	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR SERVER-DRIVEN DATA SYNCHRONIZATION IN IOT CONNECTIVITY AND METHOD THEREOF	DR.SUSHMA JAISWAL	01/08/21	06/08/21	32/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
169	202141034599	Published	DR.SUSHMA JAISWAL	SKIN CANCER (MELANOMA) DETECTION AND RECOMMENDER SYSTEM USING DEEP LEARNING	DR.SUSHMA JAISWAL	01/08/21	06/08/21	32/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
170	202141033370	Published	DR.SUSHMA JAISWAL	A Novel Robust Method for Pattern Recognition System with Enhanced Micro Structure Descriptors based Classification	DR.SUSHMA JAISWAL	25/07/21	30/07/21	31/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
171	202141033338	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT HAND GLOVES FOR HEALTHCARE PROFESSIONALS FOR USE DURING COVID-19 PANDEMIC	DR.SUSHMA JAISWAL	24/07/21	06/08/21	32/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
172	202141033317	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT HAND GLOVES FOR HEALTHCARE PROFESSIONALS FOR USE DURING COVID-19 PANDEMIC	DR.SUSHMA JAISWAL	24/07/21	06/08/21	32/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
173	202141033101	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR FILTRATION OF MESSAGES IN A NETWORK USING STATISTICAL PROCESSES AND METHOD THEREOF	DR.SUSHMA JAISWAL	23/07/21	06/08/21	32/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
174	202141032482	Published	DR.SUSHMA JAISWAL	A DATA MINING TOOL FOR MONITORING AND REPORTING FOR A CHANGE IN A REAL-TIME DATA	DR.SUSHMA JAISWAL	19/07/21	30/07/21	31/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
175	202111032293	Published	DR.SUSHMA JAISWAL	INTELLIGENT WEARABLE SWEAT SENSOR BASED DEVICE FOR MONITORING AND RECOMMENDING PERSONAL PHYSICAL FITNESS	DR.SUSHMA JAISWAL	18/07/21	06/08/21	32/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
176	202141031766	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR MINING TRAFFIC PATTERNS OF IOT DEVICES IN EDGE NETWORKS	DR.SUSHMA JAISWAL	15/07/21	23/07/21	30/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
177	202141031755	Published	DR.SUSHMA JAISWAL	A System and Method for E-Mail Feedback in a Trusted Network using Non-Deterministic Methods & Tools	DR.SUSHMA JAISWAL	14/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
178	202141031402	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR SHARING IMAGES AND MULTIMEDIA MESSAGE IN A CLOUD NETWORK	DR.SUSHMA JAISWAL	13/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
179	202141031063	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR ANALYSING BIOLOGICAL EFFECTS OF MOLECULES USING MONTE CARLO METHOD	DR.SUSHMA JAISWAL	10/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
180	202141030994	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD BASED ON NEURAL NETWORK AND HIDDEN MARKOV MODELLING FOR PREDICTING DRUG PROPERTY"	DR.SUSHMA JAISWAL	09/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
181	202141030571	Published	DR.SUSHMA JAISWAL	MACHINE LEARNING AND IOT BASED SMART WEARABLE SYSTEM FOR AUTONOMOUS MANAGEMENT OF DIABETES MELLITUS	DR.SUSHMA JAISWAL	07/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf

182	202141030433	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR PREDICTING SEISMIC EVENT USING ML & AI INTERFACES"	DR.SUSHMA JAISWAL	07/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
183	202141030003	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR DATA ENCRYPTION BETWEEN IOT DEVICES AND A NETWORK GATEWAY	DR.SUSHMA JAISWAL	04/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
184	202141029699	Published	DR.SUSHMA JAISWAL	ARTIFICIAL INTELLIGENCE BASED SMART SOLAR TRACKING TECHNIQUE FOR UNINTERRUPTED POWERING SYSTEM	DR.SUSHMA JAISWAL	01/07/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
185	202141028836	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR PROVIDING HARDWARE ACCESS USING A VIRTUAL MACHINE ENVIRONMENT WITH A USER AUTHENTICATION	DR.SUSHMA JAISWAL	27/06/21	16/07/21	29/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
186	202111028832	Published	DR.SUSHMA JAISWAL	IMAGE CONTRAST ENHANCEMENT SYSTEM WITH FUZZY BASED THRESHOLD HISTOGRAM EQUALIZATION	DR.SUSHMA JAISWAL	27/06/21	23/07/21	30/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
187	202141028054	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR PROCESSING RANDOM ACCESS PROCEDURES IN RELAY USING STATE-ACTION-REWARD-STATE-ACTION (SA	DR.SUSHMA JAISWAL	22/06/21	02/07/21	27/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
188	202141027526	Published	DR.SUSHMA JAISWAL	DESIGNING AN ELECTRIC CIRCUIT BY USING A NEURAL NETWORK WITH BAYESIAN INFERENCE TO SELECT SUB-ROUTES FOR CONNECTIELEMENTS	DR.SUSHMA JAISWAL	19/06/21	02/07/21	27/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
189	202111025113	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR SECURE CONNECTION WITH NEWLY CONNECTED DEVICE IN CLOUD NETWORK	DR.SUSHMA JAISWAL	06/06/21	18/06/21	25/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
190	202141025111	Published	DR.SUSHMA JAISWAL	A VEHICLE TIRE CONTROL SYSTEM AT CURVED ROADS USING INTELLIGENT INTERFACES AND SUPPORT VECTOR MACHINES	DR.SUSHMA JAISWAL	06/06/21	11/06/21	24/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
191	202141024465	Published	DR.SUSHMA JAISWAL	A VEHICLE SIMULATION TOOL BY PROVIDING WSN INSIDE THE VEHICLE WITH AI & ML BASED INTERFACES	DR.SUSHMA JAISWAL	01/06/21	11/06/21	24/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
192	202141024071	Published	DR.SUSHMA JAISWAL	A WEARABLE ARTICLE WITH SENSORS AND ML & AI MODULES FOR ANALYSING BEHAVIOUR OF USER	DR.SUSHMA JAISWAL	30/05/21	18/06/21	25/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
193	202121023839	Published	DR.SUSHMA JAISWAL	SMARTMON: MONITORING THE STATUS OF SMART DEVICES VIA NETWORK TRAFFIC	DR.SUSHMA JAISWAL	28/05/21	02/07/21	27/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
194	202141023786	Published	DR.SUSHMA JAISWAL	A NOVEL SYSTEM BASED ON RANDOM SAMPLE CONSENSUS (RANSAC) FOR IRIS RECOGNITION IN NON-IDEAL IMAGING CONDITIONS	DR.SUSHMA JAISWAL	28/05/21	11/06/21	24/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
195	202141023485	Published	DR.SUSHMA JAISWAL	A SYSTEM BASED ON MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE MODULES FOR PROVIDING IOT NETWORK CONFIGURATION USER VOICE AND GESTURE AND METHOD THEREOF	DR.SUSHMA JAISWAL	26/05/21	11/06/21	24/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
196	202111020987	Published	DR.SUSHMA JAISWAL	A NOVEL SYSTEM FOR INTERFACING THE ARTIFICIAL INTELLIGENCE WITH DISTRIBUTED SMART GRIDS	DR.SUSHMA JAISWAL	09/05/21	14/05/21	20/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
197	202141020723	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR RESOURCE AGGREGATION TO THE CLOUD WITH OPTIMAL PATH DETECTION	DR.SUSHMA JAISWAL	06/05/21	14/05/21	20/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
198	202121019989	Published	DR.SUSHMA JAISWAL	AN ARTIFICIAL INTELLIGENCE BASED VOICE COMMANDING GLUCOSE MONITORING AND DETERMINING SYSTEM	DR.SUSHMA JAISWAL	30/04/21	04/06/21	23/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf

199	202121019690	Published	DR.SUSHMA JAISWAL	A NEUROMORPHIC SYSTEM FOR INTEGRATING A MODULAR PIECES OF AN ASSEMBLY	DR.SUSHMA JAISWAL	29/04/21	04/06/21	23/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
200	202141019150	Published	DR.SUSHMA JAISWAL	A SYSTEM BASED ON NEURAL NETWORK TO REFINE THE HEURISTIC DATA WITH IMAGE PROCESSING TECHNIQUES	DR.SUSHMA JAISWAL	26/04/21	07/05/21	19/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
201	202141018109	Published	DR.SUSHMA JAISWAL	A NOVEL METHOD OF OBJECT DETECTION USING FEEDFORWARD DEEP CONVOLUTIONAL ARTIFICIAL NEURAL NETWORK IN WSN	DR.SUSHMA JAISWAL	19/04/21	30/04/21	18/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
202	202141017859	Published	DR.SUSHMA JAISWAL	A NOVEL REAL TIME SENTIMENT DATA CLASSIFICATION SYSTEM WITH ENHANCED LONG SHORT TERM MEMORY	DR.SUSHMA JAISWAL	17/04/21	23/04/21	17/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
203	202141041225	Published	Dr. Rajwant Singh Rao	DEVELOPMENT OF BIG DATA ANALYTICS FOR INTELLIGENT INDUSTRIAL MANUFACTURING BASED ON WIRELESS AND IOT TECHNOLOGY	Dr. Rajwant Singh Rao	14/09/21	29/10/21	44/2021	GGV Bilaspur	http://new.ggu.ac.in/attachments/attachments/NIRF/202141041225_indian_published_203_30.4.24.pdf
204	202141046612	Published	Dr Ashok Kumar Koshariya, Ms.Bably Dolly, Mr.Avadhesh Kumar Dixit, Dr. Harish Rajak, Mr. Dattatray G. Takale, Dr Ramakant Bhardwaj, Dr. Ravi Shankar	A Device to Recognize Fungal Diseases Using Image Processing and Ann Approach in Plants.	Dr Ashok Kumar Koshariya, Ms.Bably Dolly, Mr.Avadhesh Kumar Dixit, Dr. Harish Rajak, Mr. Dattatray G. Takale, Dr Ramakant Bhardwaj, Dr. Ravi Shankar	12/10/21	05/11/21	202141046612	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08292022051159_12_10_2022.pdf
205	346940-001	Published	Dharmadhikari S.	BLANDER BLADE	Chaudhary et al.	29/07/21	11/10/21	103422	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/12192022052357_Patent-1.pdf
206	17/144,173	Published	Kundan Meshram	TRACKING AND ALERTING TRAFFIC MANAGEMENT SYSTEM USING IOT FOR SMART CITY	Kundan Meshram	08/01/21	06/05/21	US2021/013414 6 A1	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://patentcenter.uspto.gov/applications/17144173
207	202021053284	Published	Dr. Manish Shrivastava	VIRTUAL SCRIBE	Dr. Manish Shrivastava	08/12/20	15/01/21	202021053284	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06282022083241_patent2.pdf
208	202021053283	Published	Dr. Manish Shrivastava	LAND SCANNER SYSTEM EMBEDDED IN DRONE FOR LAND SURVEYING	Dr. Manish Shrivastava	08/12/20	15/01/21	202021053283	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06282022083332_patent_1.pdf
209	202121026466	Published	Dr Rohit Raja	SYSTEM AND METHOD FOR OBJECT DETECTION AND OBJECT TRACKING FOR TRAFFIC SURVEILLANCE,	Dr Rohit Raja	23/07/21	23/07/21	389902	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
210	202141002082	Published	Dr Rohit Raja	DEEP LEARNING BASED ROBOTIC JUDGE FOR RASH DRIVING CRIME, APPLICATION	Dr Rohit Raja	16/01/21	22/01/21	202141002082	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
211	202121001111	Published	Prof T.V. Arjunan	EVACUATED SOLAR TUBE EMBEDDED WITH PIERCED TWISTED TAPE SYSTEM FOR HEATING AIR	Dr. T. V. Arjunan, Mr. A. Veera Kumar, Mr. R. Venkatramanan, Dr. D. Seenivasan, Dr.M.M. Matheswaran, Dr. S. Vijayan	11/01/2021	29/01/21	202121001111	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://www.quickcompany.in/patents/evacuated-solar-tube-embedded-with-pierced-twisted-tape-system-for-heating-air
212	202021054885	Published	Prof T.V. Arjunan	EVACUATED TUBE SOLAR AIR HEATER WITH JET IMPINGEMENT SYSTEM	Prof T.V. ARJUNAN, MR. A. VEERA KUMAR,MR. R. VENKATRAMANAN, DR. D. SEENIVASAN, DR. M.M. MATHESWARAN, DR.S.VUJAYAN	17/12/2020	22/01/21	202021054885	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindia.gov.in/writereaddata/Portal/IPJournal/14945_1/Part-1.pdf