

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. IR_OVERALL (IR-O-U-0085) - Guru Ghasidas Vishwavidyalaya, Bilaspur, C.G.

Institute ID: e.g. U-0085

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

Published_2019	Published_2020	Published_2021	Granted_2019	Granted_2020	Granted_2021	Total Published (2019-2021)	Total Granted (2019-2021)
0	0	92	0	2	39	92	41

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/YY YY)	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	2021101077	Published	Dr Amit Kumar Chandanan,Dr Vikas Kumar Pandey	SMART SHUTTER ASSEMBLY SYSTEM	Dr Amit Kumar Chandanan		29-04-2021	Australian Govt	GGV Bilaspur	https://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2021101077&resultsPerPage=
2	2021100439	Published	Dr Akhilesh Kumar Shrivastava	Home Automation based on User Detection using Internet of Things	Dr Akhilesh Kumar Shrivastava		07-04-2021	Australian Govt	GGV Bilaspur	https://www.ipaustralia.gov.au/patents
3	202141056431	Published	DR.SUSHMA JAISWAL	A SYSTEM BASED ON THERMAL IMAGE PROCESSING FOR SUBCUTANEOUS DETECTION OF VEINS, BONES AND METHOD THEREOF	DR.SUSHMA JAISWAL	06-12-2021	10-12-2021	50/2021	GGV Bilaspur	01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
4	202141056911	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT WEARABLE DEVICE TO MONITOR BLOOD GLUCOSE LEVELS OF A DIABETES PATIENT AND GENERATE INSULIN ARTIFICIAL PANCREAS	DR.SUSHMA JAISWAL	07-12-2021	10-12-2021	50/2021	GGV Bilaspur	01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
5	202141056091	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT ROBOTIC COOKING KITCHEN USING HAPTIC TECHNOLOGY	DR.SUSHMA JAISWAL	12-03-2021	10-12-2021	50/2021	GGV Bilaspur	01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
6	202141055545	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR FINGERPRINT IMAGE PROCESSING FOR AN ELECTRONIC DEVICE AND METHOD THEREOF	DR.SUSHMA JAISWAL	30-11-2021	10-12-2021	50/2021	GGV Bilaspur	01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
7	202121055035	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR CARDIAC OUTPUT ESTIMATION & PREDICTION USING MACHINE LEARNING INTERFACES AND METHOD THEREOF	DR.SUSHMA JAISWAL	28-11-2021	10-12-2021	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
8	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	27-11-2021	10-12-2021	50/2021	GGV Bilaspur	01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
9	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	23-11-2021	10-12-2021	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
10	202131053753	Published	DR.SUSHMA JAISWAL	A DATA PROCESSING SYSTEM AND METHOD FOR VEHICLE-END DEVICE WITH A CLOUD COMPUTING	DR.SUSHMA JAISWAL	23-11-2021	10-12-2021	50/2021	GGV Bilaspur	01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf
11	202141053048	Published	DR.SUSHMA JAISWAL	WEARABLE SWEAT SENSOR BASED INTELLIGENT DEVICE TO DETECT THE STRESS LEVELS OF A PATIENT BY MONITORING CORTISOL AND GLUCOSE LEVELS	DR.SUSHMA JAISWAL	18-11-2021	03-12-2021	49/2021	GGV Bilaspur	01092023051646_ipindia-list-2021-Part-A.pdf https://www.ggu.ac.in/Admin/Files/Document/01092023051752_ipindia-list-2021-Part-B.pdf

12	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	14-11-2021	10-12-2021	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/01092023051646_ipindia-list-2021-Part-A.pdf
13	202141052156	Published	DR.SUSHMA JAISWAL	BRAIN INSPIRED ARIFICIAL INTELLIGENCE IMPLANT TO DETECT HEART DISEASE USING RESERVOIR COMPUTING	DR.SUSHMA JAISWAL	13-11-2021	03-12-2021	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/01092023051646_ipindia-list-2021-Part-A.pdf
14	202141051706	Published	DR.SUSHMA JAISWAL	AN AI & ML BASED SYSTEM FOR FABRICATING POWER VLSI DIODE DEVICES AND METHOD THEREOF	DR.SUSHMA JAISWAL	11-11-2021	26-11-2021	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/01092023051646_ipindia-list-2021-Part-A.pdf
15	202141051612	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR TAGGING IOT DEVICE BASED ON CONVOLUTIONAL NEURAL NETWORK (CNN) AND METHOD THEREOF	DR.SUSHMA JAISWAL	10-11-2021	03-12-2021	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/01092023051646_ipindia-list-2021-Part-A.pdf
16	202141050901	Published	DR.SUSHMA JAISWAL	A MEDICAL IMAGE PROCESSING SYSTEM, IMAGE PROCESSING METHOD, AND MEDICAL IMAGE PROCESSING DEVICE	DR.SUSHMA JAISWAL	06-11-2021	03-12-2021	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
17	202131050687	Published	DR.SUSHMA JAISWAL	A SYSTEM BASED ON DEEP LEARNING THREE-DIMENSIONAL PIPELINE RECONSTRUCTION AND METHOD THEREOF	DR.SUSHMA JAISWAL	04-11-2021	10-12-2021	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
18	202141050202	Published	DR.SUSHMA JAISWAL	AN IOT BASED SYSTEM FOR ALARM CLOCK HAVING TEMPERATURE MEASUREMENT FUNCTION AND METHOD THEREOF	DR.SUSHMA JAISWAL	02-11-2021	19-11-2021	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
19	202131049863	Published	DR.SUSHMA JAISWAL	AN IMAGE PROCESSING SYSTEM FOR TOUCH DISPLAY PRODUCT, STORAGE MEDIUM & ELECTRONIC DEVICE	DR.SUSHMA JAISWAL	30-10-2021	12-11-2021	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
20	202141049308	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR ENCODING AND DECODING DATA USING CLOUD COMPUTING AND METHOD THEREOF	DR.SUSHMA JAISWAL	28-10-2021	05-11-2021	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
21	202141048690	Published	DR.SUSHMA JAISWAL	FALLING CAT INSPIRED INTELLIGENT QUADRUPEDAL ROBOT TO ASSIST PEOPLE DURING RISKY MOUNTAIN TREKKING	DR.SUSHMA JAISWAL	25-10-2021	05-11-2021	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
22	202141048454	Published	DR.SUSHMA JAISWAL	AN ARTIFICIAL INTELLIGENCE BASED WIRELESS COMMUNICATION SYSTEM, CONTROL DEVICE AND METHOD THEREOF	DR.SUSHMA JAISWAL	24-10-2021	05-11-2021	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
23	202141047288	Published	DR.SUSHMA JAISWAL	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF	DR.SUSHMA JAISWAL	18-10-2021	05-11-2021	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
24	202141047024	Published	DR.SUSHMA JAISWAL	MACHINE LEARNING BASED INTELLIGENT SENSOR FRAMEWORK TO ASSIST FARMERS IN WEATHER FORECASTING FOR APPROPRIATE CRCLTIVATION	DR.SUSHMA JAISWAL	18-10-2021	05-11-2021	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

25	202111046812	Published	DR.SUSHMA JAISWAL	A CLOUD COMPUTING TECHNOLOGY-BASED FILE MANAGEMENT AND UPLOADING METHOD & APPARATUS	DR.SUSHMA JAISWAL	13-10-2021	29-10-2021	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
26	202141046585	Published	DR.SUSHMA JAISWAL	INTELLIGENT AGRICULTURE – SMART IOT SYSTEM TO ASSIST FARMERS IN EFFECTIVE DECISION MAKING USING DATA SCIENCE	DR.SUSHMA JAISWAL	12-10-2021	05-11-2021	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
27	202141046324	Published	DR.SUSHMA JAISWAL	AI AND WIRELESS BASED SMART DRUG PRESCRIPTION MANAGEMENT FOR AUTONOMOUS DRUG DELIVERY SYSTEM	DR.SUSHMA JAISWAL	11-10-2021	29-10-2021	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
28	202141045592	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT SMART WATCH FOR EARLY DETECTION OF HEART ATTACKS IN PATIENTS SUFFERING FROM CARDIOVASCULADISEASES	DR.SUSHMA JAISWAL	07-10-2021	15-10-2021	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
29	202141044803	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT WEARABLE HELMET FOR EARLY DETECTION OF STROKE IN PATIENTS	DR.SUSHMA JAISWAL	03-10-2021	05-11-2021	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
30	202141043814	Published	DR.SUSHMA JAISWAL	A CONNECTOR MODULE FOR A VLSI CIRCUIT WITH A BATTERY PACK	DR.SUSHMA JAISWAL	27-09-2021	05-11-2021	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
31	202141043325	Published	DR.SUSHMA JAISWAL	AN EFFICIENT PREDICTION AND ASSESSMENT OF VEHICLES IN REAL TIME TRAFFIC	DR.SUSHMA JAISWAL	24-09-2021	05-11-2021	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
32	202141043000	Published	DR.SUSHMA JAISWAL	A Novel Multimodal Medical Image Fusion System with Pixel Level Fusion	DR.SUSHMA JAISWAL	22-09-2021	29-10-2021	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
33	202111041771	Published	DR.SUSHMA JAISWAL	BLOCKCHAIN BASED INTERNET OF THINGS SYSTEM WITH DATA PROCESSING AND CLEANING METHOD TO THE SENSOR DATA	DR.SUSHMA JAISWAL	15-09-2021	01-10-2021	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
34	202141041757	Published	DR.SUSHMA JAISWAL	SENSOR-BASED INTELLIGENT DIGITAL NOSE FOR ANALYSING THE BREATHING PATTERNS OF LUNG CANCER PATIENTS USING MACHINE	DR.SUSHMA JAISWAL	15-09-2021	01-10-2021	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
35	202131041447	Published	DR.SUSHMA JAISWAL	AN APPARATUS FOR AUTOMATED DATA COLLECTION, MANAGEMENT, AND REPORTING BASED ON DEEP LEARNING AND ARTIFICIAL INT	DR.SUSHMA JAISWAL	14-09-2021	26-11-2021	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
36	202141040841	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR PREAMBLE DATA GENERATION AND ENCODING NESTED QR CODE AND METHOD THEREOF	DR.SUSHMA JAISWAL	09-09-2021	24-09-2021	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

37	202141040214	Published	DR.SUSHMA JAISWAL	DRAGONFLY BRAIN-INSPIRED INTELLIGENT ROBOTIC DRONE TO REMOVE WEEDS IN AGRICULTURAL FARM PLANTS	DR.SUSHMA JAISWAL	05-09-2021	24-09-2021	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
38	202131039493	Published	DR.SUSHMA JAISWAL	MULTIFUNCTION HEAT TRANSMISSION SIMULATOR WITH AI AND MACHINE LEARNING	DR.SUSHMA JAISWAL	31-08-2021	17-09-2021	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
39	202141038588	Published	DR.SUSHMA JAISWAL	AN IMAGE ANALYSIS DEVICE USING DEEP LEARNING DATA MODELLING AND METHOD THEREOF	DR.SUSHMA JAISWAL	25-08-2021	03-09-2021	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
40	202111038153	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR CLOUD MONITORING AND REPAIR METHOD IN AN IOT NETWORK	DR.SUSHMA JAISWAL	23-08-2021	03-09-2021	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
41	202141038129	Published	DR.SUSHMA JAISWAL	THE SYSTEM AND APPARATUS FOR PRECISELY SMART FARMING."	DR.SUSHMA JAISWAL	23-08-2021	24-09-2021	39/2021	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/Document/01092023051646_ipindia-list-2021-Part-A.pdf
42	202141038028	Published	DR.SUSHMA JAISWAL	Image Reconstruction Method Via Iterative Linear Interpolation Using Verge Points.	DR.SUSHMA JAISWAL	23-08-2021	24-09-2021	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
43	202141037739	Published	DR.SUSHMA JAISWAL	INTELLIGENT PREDICTION AND IMAGE GENERATION MODEL USING MACHINE LEARNING TO TRAIN SELF-DRIVING CARS	DR.SUSHMA JAISWAL	20-08-2021	27-08-2021	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
44	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	18-08-2021	27-08-2021	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
45	202141037164	Published	DR.SUSHMA JAISWAL	A NOVEL BLOCK BASED FEATURE LEVEL IMAGE FUSION SYSTEM USING LWT AND NEURAL NETWORKS	DR.SUSHMA JAISWAL	17-08-2021	27-08-2021	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
46	202141036940	Published	DR.SUSHMA JAISWAL	Isotropic Antenna based on AI & ML Interface having Multifunctional guide-wire assemblies	DR.SUSHMA JAISWAL	15-08-2021	20-08-2021	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
47	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	12-08-2021	20-08-2021	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
48	202111036217	Published	DR.SUSHMA JAISWAL	A SYSTEM HAVING SYNCHRONOUS SIGNALING FOR INTERFACING VLSI CIRCUITS	DR.SUSHMA JAISWAL	11-08-2021	03-09-2021	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

49	202141034610	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR SERVER-DRIVEN DATA SYNCHRONIZATION IN IOT CONNECTIVITY AND METHOD THEREOF	DR.SUSHMA JAISWAL	01-08-2021	06-08-2021	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
50	202141034599	Published	DR.SUSHMA JAISWAL	SKIN CANCER (MELANOMA) DETECTION AND RECOMMENDER SYSTEM USING DEEP LEARNING	DR.SUSHMA JAISWAL	01-08-2021	06-08-2021	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
51	202141033370	Published	DR.SUSHMA JAISWAL	A Novel Robust Method for Pattern Recognition System with Enhanced Micro Structure Descriptors based Classification	DR.SUSHMA JAISWAL	25-07-2021	30-07-2021	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
52	202141033338	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT HAND GLOVES FOR HEALTHCARE PROFESSIONALS FOR USE DURING COVID-19 PANDEMIC	DR.SUSHMA JAISWAL	24-07-2021	06-08-2021	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
53	202141033317	Published	DR.SUSHMA JAISWAL	SENSOR BASED INTELLIGENT HAND GLOVES FOR HEALTHCARE PROFESSIONALS FOR USE DURING COVID-19 PANDEMIC	DR.SUSHMA JAISWAL	24-07-2021	06-08-2021	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
54	202141033101	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR FILTRATION OF MESSAGES IN A NETWORK USING STATISTICAL PROCESSES AND METHOD THEREOF	DR.SUSHMA JAISWAL	23-07-2021	06-08-2021	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
55	202141032482	Published	DR.SUSHMA JAISWAL	A DATA MINING TOOL FOR MONITORING AND REPORTING FOR A CHANGE IN A REAL-TIME DATA	DR.SUSHMA JAISWAL	19-07-2021	30-07-2021	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
56	202111032293	Published	DR.SUSHMA JAISWAL	INTELLIGENT WEARABLE SWEAT SENSOR BASED DEVICE FOR MONITORING AND RECOMMENDING PERSONAL PHYSICAL FITNESS	DR.SUSHMA JAISWAL	18-07-2021	06-08-2021	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
57	202141031766	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR MINING TRAFFIC PATTERNS OF IoT DEVICES IN EDGE NETWORKS	DR.SUSHMA JAISWAL	15-07-2021	23-07-2021	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
58	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	14-07-2021	16-07-2021	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
59	202141031402	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR SHARING IMAGES AND MULTIMEDIA MESSAGE IN A CLOUD NETWORK	DR.SUSHMA JAISWAL	13-07-2021	16-07-2021	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

60	202141031063	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR ANALYSING BIOLOGICAL EFFECTS OF MOLECULES USING MONTE CARLO METHOD	DR.SUSHMA JAISWAL	10-07-2021	16-07-2021	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
61	202141030994	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD BASED ON NEURAL NETWORK AND HIDDEN MARKOV MODELLING FOR PREDICTING DRUG PROPERTY"	DR.SUSHMA JAISWAL	09-07-2021	16-07-2021	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
62	202141030571	Published	DR.SUSHMA JAISWAL	MACHINE LEARNING AND IOT BASED SMART WEARABLE SYSTEM FOR AUTONOMOUS MANAGEMENT OF DIABETES MELLITUS	DR.SUSHMA JAISWAL	07-07-2021	16-07-2021	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
63	202141030433	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR PREDICTING SEISMIC EVENT USING ML & AI INTERFACES"	DR.SUSHMA JAISWAL	07-07-2021	16-07-2021	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
64	202141030003	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR DATA ENCRYPTION BETWEEN IOT DEVICES AND A NETWORK GATEWAY	DR.SUSHMA JAISWAL	04-07-2021	16-07-2021	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
65	202141029699	Published	DR.SUSHMA JAISWAL	ARTIFICIAL INTELLIGENCE BASED SMART SOLAR TRACKING TECHNIQUE FOR UNINTERRUPTED POWERING SYSTEM	DR.SUSHMA JAISWAL	01-07-2021	16-07-2021	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
66	202141028836	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR PROVIDING HARDWARE ACCESS USING A VIRTUAL MACHINE ENVIRONMENT WITH A USER AUTHENTICATION	DR.SUSHMA JAISWAL	27-06-2021	16-07-2021	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
67	202111028832	Published	DR.SUSHMA JAISWAL	IMAGE CONTRAST ENHANCEMENT SYSTEM WITH FUZZY BASED THRESHOLD HISTOGRAM EQUALIZATION	DR.SUSHMA JAISWAL	27-06-2021	23-07-2021	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
68	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	22-06-2021	02-07-2021	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
69	202141027526	Published	DR.SUSHMA JAISWAL	DESIGNING AN ELECTRIC CIRCUIT BY USING A NEURAL NETWORK WITH BAYESIAN INFERENCE TO SELECT SUB-ROUTES FOR CONNECTELEMETS	DR.SUSHMA JAISWAL	19-06-2021	02-07-2021	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
70	202111025113	Published	DR.SUSHMA JAISWAL	A SYSTEM AND METHOD FOR SECURE CONNECTION WITH NEWLY CONNECTED DEVICE IN CLOUD NETWORK	DR.SUSHMA JAISWAL	06-06-2021	18-06-2021	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
71	202141025111	Published	DR.SUSHMA JAISWAL	A VEHICLE TIRE CONTROL SYSTEM AT CURVED ROADS USING INTELLIGENT INTERFACES AND SUPPORT VECTOR MACHINES	DR.SUSHMA JAISWAL	06-06-2021	11-06-2021	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
72	202141024465	Published	DR.SUSHMA JAISWAL	A VEHICLE SIMULATION TOOL BY PROVIDING WSN INSIDE THE VEHICLE WITH AI & ML BASED INTERFACES	DR.SUSHMA JAISWAL	01-06-2021	11-06-2021	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

73	202141024071	Published	DR.SUSHMA JAISWAL	A WEARABLE ARTICLE WITH SENSORS AND ML & AI MODULES FOR ANALYSING BEHAVIOUR OF USER	DR.SUSHMA JAISWAL	30-05-2021	18-06-2021	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/01092023051646_ipindia-list-2021-Part-A.pdf
74	202121023839	Published	DR.SUSHMA JAISWAL	SMARTMON: MONITORING THE STATUS OF SMART DEVICES VIA NETWORK TRAFFIC	DR.SUSHMA JAISWAL	28-05-2021	02-07-2021	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/01092023051646_ipindia-list-2021-Part-A.pdf
75	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	28-05-2021	11-06-2021	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
76	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	26-05-2021	11-06-2021	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
77	202111020987	Published	DR.SUSHMA JAISWAL	A NOVEL SYSTEM FOR INTERFACING THE ARTIFICIAL INTELLIGENCE WITH DISTRIBUTED SMART GRIDS	DR.SUSHMA JAISWAL	09-05-2021	14-05-2021	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
78	202141020723	Published	DR.SUSHMA JAISWAL	A SYSTEM FOR RESOURCE AGGREGATION TO THE CLOUD WITH OPTIMAL PATH DETECTION	DR.SUSHMA JAISWAL	06-05-2021	14-05-2021	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
79	202121019989	Published	DR.SUSHMA JAISWAL	AN ARTIFICIAL INTELLIGENCE BASED VOICE COMMANDING GLUCOSE MONITORING AND DETERMINING SYSTEM	DR.SUSHMA JAISWAL	30-04-2021	04-06-2021	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
80	202121019690	Published	DR.SUSHMA JAISWAL	A NEUROMORPHIC SYSTEM FOR INTEGRATING A MODULAR PIECES OF AN ASSEMBLY	DR.SUSHMA JAISWAL	29-04-2021	04-06-2021	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
81	202141019150	Published	DR.SUSHMA JAISWAL	A SYSTEM BASED ON NEURAL NETWORK TO REFINE THE HEURISTIC DATA WITH IMAGE PROCESSING TECHNIQUES	DR.SUSHMA JAISWAL	26-04-2021	07-05-2021	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
82	202141018109	Published	DR.SUSHMA JAISWAL	A NOVEL METHOD OF OBJECT DETECTION USING FEEDFORWARD DEEP CONVOLUTIONAL ARTIFICIAL NEURAL NETWORK IN WSN	DR.SUSHMA JAISWAL	19-04-2021	30-04-2021	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
83	202141017859	Published	DR.SUSHMA JAISWAL	A NOVEL REAL TIME SENTIMENT DATA CLASSIFICATION SYSTEM WITH ENHANCED LONG SHORT TERM MEMORY	DR.SUSHMA JAISWAL	17-04-2021	23-04-2021	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
84	2021104045	Granted	Gupta, Aditya Kumar; Devi, G. Radha; Kumari, Pilli Lalitha; Kumar, D. Sai; Krishna, B. Hari; Vani, G.; Jiddu, Jaylakshmi; 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, Jaylakshmi; Mahapatra, Sakuntala; Satpathy, Rabinarayan; Jaiswal, Tarun; Jaiswal, Sushma and S., Ashwini	11-07-2021	25-08-2021	2021104045	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021104045

85	2021105525	Granted	Kalpana, 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	Kalpana, 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	15-08-2021	27-10-2021	2021105525	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021105525
86	2021103446	Granted	Mummana, Satyanarayana; T., Suma; Saveetha, V.; Grace, R. Kingsy; Anantha, N. Lakshmi pathi; 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 pathi; Rajasekaran, P.; Satpathy, Rabinarayan; Muni, T. Vijay; Sharma, Ashwini; Aravinda, N. L.; Jaiswal, Tarun and Jaiswal, Sushma	18-06-2021	22-09-2021	2021103446	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021103446
87	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	10-06-2021	08-09-2021	2021103249	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021103249
88	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, Sushma	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, Sushma	05-06-2021	22-09-2021	2021103132	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021103132
89	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, Pijush	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, Pijush	29-05-2021	30-06-2021	2021102961	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102961
90	2021102581	Granted	Sarwade, Prakash Pralhad ; Jaiswal, Sushma ; J., Praveen ; Upadhyay, Mukesh ; Yadav, Ruchi ; Lakwal, Vijay Ramkisan ; Rajput, Aishwarya Premeising ; 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 Premeising ; Ezhilselvi, R. Indra Mary ; Kumar, Manish ; Thimmaraju, Pavan Kumar ; Buttar, Ahmed Mateen	14-05-2021	08-07-2021	2021102581	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102581

91	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 ; Selvakanmani, 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 ; Selvakanmani, S.	30-04-2021	16-06-2021	2021102309	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102309
92	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.	14-04-2021	19-05-2021	2021101904	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101904
93	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	04-06-2021	19-05-2021	2021101744	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101744
94	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.	04-03-2021	21-04-2021	2021101172	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101172
95	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.	05-03-2021	21-04-2021	2021101174	GGV Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101174
96	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	14-09-2021	29-10-2021	44/2021	GGV Bilaspur	
97	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	01-01-2019	21-07-2021	2021103573	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022045257_BA-2021103573-Innovation%20Patent%20%20Certificate%20(1).pdf
98	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		04-08-2021	2021103481	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022045035_BA-2021103481-Innovation%20Patent%20%20Certificate%20(1).pdf
99	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		20-10-2021	2021106458	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022044758_Patent-BA-PLGA.pdf
100	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		05-11-2021	202141046612	GGV Bilaspur	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08292022051159_12.10.2022.pdf
101	201821038243	Granted	Vivekananda Mandal, Kavi Bhushan 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 Bhushan Singh Chouhan, Rajendra Mehta, Roshni Tandey, Kamal Kumar Sen		29-07-2021	373262	Department of Pharmacy, GGV	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06222022051548_patent_kavi.pdf

102	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	17-07-2017	25-11-2021	382675	Department of Pharmacy, GGV	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/12252022093348_Patent-AKJ.pdf
103	346940-001	Published	Dharmadhikari S.	BLANDER BLADE	Chaudhary et al.	29-07-2021	11-10-2021	103422	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/12192022052357_Patent-1.pdf
104	2021102807	Granted	Kundan Meshram	A DEVICE AND METHOD TO IMPROVE THE EFFICIENCY OF CONSTRUCTION SITES USING IOT ENABLED DIGITAL TWINS	Kundan Meshram	24-05-2021	30-06-2021	2021102807	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2021102807&resultsPerPage=
105	17/144,173	Published	Kundan Meshram	TRACKING AND ALERTING TRAFFIC MANAGEMENT SYSTEM USING IOT FOR SMART CITY	Kundan Meshram	08-01-2021	06-05-2021	US2021/0134146 A1	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://patentcenter.uspto.gov/applications/17144173
106	2021100780	Granted	Dr. Alok Kumar Singh Kushwaha	SMART BATHROOM SYSTEM AND METHOD	Dr. Alok Kumar Singh Kushwaha	09-02-2021	22-04-2021	2021100780	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100780
107	2021101385	Granted	Dr. Alok Kumar Singh Kushwaha	DELICATE VIBRATORY INSTRUMENT FOR NEONATES ORAL MOTOR SIMULATION	Dr. Alok Kumar Singh Kushwaha	17-03-2021	13-05-2021	2021101385	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101385
108	202021053284	Published	Dr. Manish Shrivastava	VIRTUAL SCRIBE	Dr. Manish Shrivastava	08-12-2020	15-01-2021	202021053284	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06282022083241_patent2.pdf
109	202021053283	Published	Dr. Manish Shrivastava	LAND SCANNER SYSTEM EMBEDDED IN DRONE FOR LAND SURVEYING	Dr. Manish Shrivastava	08-12-2020	15-01-2021	202021053283	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06282022083332_patent_1.pdf
110	2021102958	Granted	Dr. Alok Kumar Singh Kushwaha	A SYSTEM AND METHOD FOR PREVENTING CORONA VIRUS TRANSMISSION	Dr. Alok Kumar Singh Kushwaha	29-05-2021	12-08-2021	2021102958	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102958
111	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; Srivastava, Sharad DR	29-12-2020	03-03-2021	2020104385	Guru Ghasidas Vishwavidyalaya, Bilaspur	IP Australia: AusPat Application Details
112	2021101073	Granted	Marriwala, 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; Marriwala, Nikhil DR; Panda, Sunita; Panday, Krishna; Rathore, Deepak; Sampath, A. K.; Shanbhog, Manjula; Sharma, Reena; Vohra, Anil	27-02-2021	14-04-2021	2021101073	Guru Ghasidas Vishwavidyalaya, Bilaspur	IP Australia: AusPat Application Details
113	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	19-01-2021	15-04-2021	2021100341	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100341
114	2021102314	Granted	Dr. Amit Kumar Dewangan	AN INTERNET OF THINGS BASED SMART PARKING SYSTEM AND IT'S METHOD THEREOF	Dr. Amit Kumar Dewangan	01-05-2021	02-06-2021	2021102314	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=++2021104218&resultsPerPage=
115	2020103853	Granted	Dr Rohit Raja	DYNAMIC DIGITAL TWIN SYSTEM AND A METHOD OF OPERATING THEREOF	Dr Rohit Raja	02-12-2020	27-01-2021	2020103853	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2020103853
116	2020104385	Granted	Dr Rohit Raja	A SYSTEM AND A METHOD FOR AUTOMATED IRRIGATION USING INTERNET OF THINGS	Dr Rohit Raja	29-12-2020	03-03-2021	2020104385	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2020104385
117	2021100059	Granted	Dr Rohit Raja	SELF-CLEANING AND GERM-KILLING REVOLVING PUBLIC TOILET FOR COVID	Dr Rohit Raja	06-01-2021	10-03-2021	2021100059	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100059
118	2021100285	Granted	Dr Rohit Raja	NOVEL 3D PRINTED BIONIC PROSTHETIC LEG	Dr Rohit Raja	17-Jan-2021	07-04-2021	2021100285	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100285
119	2021102314	Granted	Dr Rohit Raja	AN INTERNET OF THINGS BASED SMART PARKING SYSTEM AND ITS METHOD THEREOF	Dr Rohit Raja	01-05-2021	02-06-2021	2021102314	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102314
120	2021101385	Granted	Dr Rohit Raja	DELICATE VIBRATORY INSTRUMENT FOR NEONATES ORAL MOTOR SIMULATION	Dr Rohit Raja	17-03-2021	28-04-2021	2021101385	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101385

121	2021102958	Granted	Dr Rohit Raja	A SYSTEM AND METHOD FOR PREVENTING CORONA VIRUS TRANSMISSION	Dr Rohit Raja	29-05-2021	28-07-2021	2021102958	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102958
122	2021106885	Granted	Dr Rohit Raja	AN EMOTION DETECTION SYSTEM AND METHOD USING PATTERN RECOGNITION	Dr Rohit Raja	24-08-2021	17-11-2021	2021106885	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021106885
123	202111002128	Granted	Dr Rohit Raja	FACE EMOTIONS RECOGNITION BASED ON DEEP LEARNING FOR SMART AND SECURED CHILD CARE TAKER	Dr Rohit Raja	29-01-2021	30-12-2021	385681	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
124	202121026466	Published	Dr Rohit Raja	SYSTEM AND METHOD FOR OBJECT DETECTION AND OBJECT TRACKING FOR TRAFFIC SURVEILLANCE,	Dr Rohit Raja	23-07-2021	23-07-2021	389902	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
125	202141002082	Published	Dr Rohit Raja	DEEP LEARNING BASED ROBOTIC JUDGE FOR RASH DRIVING CRIME, APPLICATION	Dr Rohit Raja	16-01-2021	22-01-2021	202141002082	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
126	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	29-01-2021	202121001111	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://www.quickcompany.in/patents/evacuated-solar-tube-embedded-with-pierced-twisted-tape-system-for-heating-air
127	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	10-02-2021	2020104031	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://www.patentguru.com/assignee/yahya-m-sc-dr-ir-m-prof
128	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.VIJAYAN	17-12-2020	22-01-2021	202021054885	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4945_1/Part-1.pdf
129	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	31-03-2021	2021100087	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/12062022040606_Innovation_Patent_Certificate_31-03-2021.pdf
130	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;	23-01-2021	07-04-2021	2021100439	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06252022023555_439_patent.pdf
131	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	01-05-2021	23-06-2021	2021102315	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ggu.ac.in/Admin/Files/DepartmentDocument/06252022023735_Innovation_Patent_Certificate_23-06-2021.pdf
132	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	10-08-2020	26-11-2020	2020102636	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://www.ipaustralia.gov.au/patents/undersanding-patents/searching-patents
133	1530/MUM/2013	Granted	Ahirwar Bharti	Method of preparation of herbal contraceptives	Ahirwar Bharti	26-04-2013	20-03-2020	335400	Guru Ghasidas Vishwavidyalaya, Bilaspur	https://ipindiaservices.gov.in/Patent_search