

Patent Details for Verification_NIRF2024 (ENGINEERING)

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_ENGINEERING (IR-E-U-0085) - Guru Ghasidas Vishavidyalaya, Bilaspur, C.G.	Institute ID: e.g. U-0085
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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)
4	10	22	2	22	10	36	34

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	371223-001	Published	Dr. Amit Jain Et al.	Microchannel Heat Sink with Ribs	Dr. Amit Jain Et al.	22-09-2022	29-12-2022	122461	GGV, Bilaspur	11302023022422_33099c23-37ab-47f6-aa92-7dee8080a00e.pdf (ggu.ac.in)
2	202241037149	Published	SVN Kumar, Sagar. G., B.Girimurugan, Dr G Ramesh Pandi, Atul Kumar Sahu, S. SanthanaJeyalakshmi, Anoop Kumar Sahu, PasupuletiSubrahmanya Ranjit, Saurabh Kumar Sharma, Yashodhan Prakash Mahajan, J. Logeshwaran and V. Kannan	The tracking of items in logistics and supply chain using block chain technology	SVN Kumar, Sagar. G., B.Girimurugan, Dr G Ramesh Pandi, Atul Kumar Sahu, S. SanthanaJeyalakshmi, Anoop Kumar Sahu, PasupuletiSubrahmanya Ranjit, Saurabh Kumar Sharma, Yashodhan Prakash Mahajan, J. Logeshwaran and V. Kannan	28-06.2022	08-07-2022	27/2022	Anoop Kumar Sahu GGU	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

3	202221054753	Published	rohit raja	System and Method for Capturing Groundwater Potential-Zone Integrating Artificial Neural Network and Groundwater Influencing Factors	rohit raja	09-23-2022	28-10-2022	431128	GGV	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/12132022080857_28.10.2022.pdf
4	202221059300	Published	Dr. Upasana Sinha	MEDICAL IMAGE SEGMENTATION USING CONVOLUTIONAL NEURAL NETWORKS WITH AUTOENCODER	Dr. Upasana Sinha	17-10-2022	21-10-2022	42/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
5	202231058937	Published	Dr. Alok Kumar Singh Kushwaha	An AI-powered portfolio management system for automated algorithmic trading & process optimization	Dr. Alok Kumar Singh Kushwaha	15-10-2022	21-10-2022	42/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
6	202241053333	Published	Dr. Nikita Kashyap	IMPROVED STABILITY AND EFFICIENCY OF ORGANIC TANDEM SOLAR CELLS WITH LOW-LOSS INTERCONNECTING LAYERS	Dr. Nikita Kashyap	19-09-2022	23-09-2022	38/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
7	202221038454	Published	Dr. Rohit Raja	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED AUTOMATIC PENALTY DEVICE AND ITS METHOD THEREOF	Dr. Rohit Raja	04-07-2022	02-09-2022	35/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
8	202241037149	Published	Dr. Atul Kumar Sahu	The tracking of items in logistics and supply chain using block chain technology	Dr. Atul Kumar Sahu	28-06-2022	08-07-2022	27/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf

9	202241026251	Published	Dr. Atul Kumar Sahu	SECURE THE SUPPLY CHAIN MANAGEMENT SYSTEM IN E-COMMERCE USING BLOCKCHAIN TECHNOLOGY	Dr. Atul Kumar Sahu	05-05-2022	13-05-2022	19/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
10	202241023089	Published	Dr. Anoop Kumar Sahu	Automotive ERP System over Blockchain Technology	Dr. Anoop Kumar Sahu	19-04-2022	06-05-2022	18/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
11	202211021299	Published	Robert Mark	ULTRAWIDEBAND RRDA WITH A BEVEL-SHAPED PATCH AND A METHOD OF DEVELOPMENT THEREOF	Robert Mark	09-04-2022	15-04-2022	15/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
12	202241021032	Published	Mr. Nitin Kumar Sahu	Block chain Based Cloud Storage System	Mr. Nitin Kumar Sahu	07-04-2022	22-04-2022	16/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
13	202221018493	Published	Dr. Atul Kumar Sahu,	GOVERNMENT FUND ALLOCATION & TRACKING SYSTEM OVER BLOCKCHAIN	Dr. Atul Kumar Sahu,	29-03-2022	29-04-2022	17/2022	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
14	202241012143	Published	Satish Kumar Negi	A smart wearable device for early detection and identification of COVID-19 cases	Satish Kumar Negi	07-03-2022	25-03-2022	Dec-22	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
15	202231005989	Published	Dr.Rajesh Mahule	A LIGHTWEIGHT METHOD FOR PEER-TO-PEER ENERGY TRADING FRAMEWORKUSING DIRECTED ACYCLIC GRAPH (DAG) BASED BLOCKCHAIN	Dr.Rajesh Mahule	04-02-2022	11-03-2022	Oct-22	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf
16	202221000273	Published	Vaibhav Kant Singh	METHOD FOR MIGRATION OF SESSIONS AMONG CIPHER MACHINES USING LAGRANGE INTERPOLATION	Vaibhav Kant Singh	03-01-2022	14-01-2022	Feb-22	GGV	http://new.ggu.ac.in/attachments/attachments/gs-ranking/49_patents_with_status.pdf

17	362825-001	Granted	Dr. Saurabh Meshram, Dr. Sandeep Dharmadhikari, Mrs. Anuradha N. Joshi, Mr. Neeraj Chandraker, Dr. Raghwendra Singh Thakur, Dr. Neha Pandey, Dr. Ghoshna Jyoti	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. Ghoshna Jyoti	362825-001	2022	362825-001	Guru Ghasidas Vishwavidyalaya	https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08172022061139_3.4.3%20Patent%20published%202021-22.pdf
18	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
19	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
20	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
21	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
22	202221017539	Published	Sonal Banchhor	A method to prepare an improved Calcium based alkali activated concrete	Sonal Banchhor	26.03.2022	27.05.2023	2022	Guru Ghasidas Vishwavidyalaya	https://ggu.ac.in/Admin/Files/DepartmentDocument/08302022052935_NAAC%203.4.3%202021-22%20SB%20Patent-4.pdf
23	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
24	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
25	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
26	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
27	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

28	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
29	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
30	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
31	20 2021 103 650.8	Granted	Rohit Raja	Traffic surveillance system	Rohit Raja	2022	2022	44624		http://ggu.ac.in/Admin/Files/DepartmentDocument/08302022104823_patents%20certificate%2021-22.pdf
32	202221022529	Published	PARMENDRA BAJPAI	EFFECT OF B-SITE DISORDER ON THE FERRO ELECTRIC PROPERTIES OF BZT CERAMICS	PARMENDRA BAJPAI	16-04-2022	19-08-2022	33/2022	Guru Ghasidas Vishwavidyalaya	http://new.ggu.ac.in/attachments/attachments/qs-ranking/49_patents_with_status.pdf
33	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
34	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=
35	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
36	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
37	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
38	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
39	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

40	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
41	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	29-12-2020	03-03-2021	2020104385	Guru Ghasidas Vishwavidyalaya, Bilaspur	IP Australia: AusPat Application Details
42	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
43	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
44	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=
45	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
46	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
47	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
48	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

49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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/IPJournal/1_4945_1/Part-1.pdf
59	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

60	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
61	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
62	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/understanding-patents/searching-patents
63	202021045472	Published	Rohit Raja, Alok Kushwaha, Upasna Sinha, Agnivesh Pandey	An Unmanned Aerial Vehicle for Surveillance	Rohit Raja, Alok Kushwaha, Upasna Sinha, Agnivesh Pandey	19-10-2020	13-11-2020	46/2020	Guru Ghasidas Vishwavidyalaya	http://ggu.ac.in/Admin/Files/DepartmentDocument/08302022104823_patents%20certificate%2021-22.pdf
64	202031044344	Published	Rohit Raja	A NOVEL SMART CARBONLESS COOKING GASIFIER	Rohit Raja	12-10-2020	04-12-2020	49/2020	Guru Ghasidas Vishwavidyalaya	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewPDF
66	2020103853	Published	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
67	2020104385	Published	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
68	2021100059	Published	Dr Rohit Raja	SELF-CLEANING AND GERM-KILLING REVOLVING PUBLIC TOILET FOR COVID	Dr Rohit Raja	06-01-2021	10-03-2020	2021100059	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100059
69	2021100285	Published	Dr Rohit Raja	NOVEL 3D PRINTED BIONIC PROSTHETIC LEG	Dr Rohit Raja	17-Jan-2021	07-04-2020	2021100285	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021100285
70	2021102314	Published	Dr Rohit Raja	AN INTERNET OF THINGS BASED SMART PARKING SYSTEM AND ITS METHOD THEREOF	Dr Rohit Raja	01-05-2021	02-06-2020	2021102314	Guru Ghasidas Vishwavidyalaya, Bilaspur	http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021102314