

3.4.3 Number of Patents/Copyrights published/awarded/technology-transferred during the last five years (10)

Name of the Patentor/ Copyright awardee	Patent/Copyright Number	Title of the patent/Copyright	Year patent was awarded/published
Dr. Girish Gupta Dr. Sohini Ghosh Dr. Saikat Patra	380329-001	Vesical Cystotomy Mannequin	2023-Registered
Dr. Girish Gupta Mr. Deepak Sharma Dr. Chinmay Chetan	378350-001	Gastric Tube Holder	2023-Registered
Dr. Sunil Saini, Dr. Anshika Arora, Dr. Sourabh Nandi, Dr. Chandra Shekhar Nautiyal	202311030701	An abdominal collapsible multi-position retractor device with a variable adjustable lockable mechanism	2023-Published
Dr. Vishal Rajput, Dr. Sanjay Gupta, Dr. Chandra Shekhar Nautiyal	202311035397	Apparatus For Real-Time Videotaping And Still Image Capturing For Fish Behavioral Patterns	2023-Published
Dr. Vivek Kumar, Ms. Renu Chaudhary Mr. Sandeep Kumar, Dr. C.S. Nautiyal	202311025075	Test tube rack for enhancing aerobic microbial growth, biomass, and metabolites	2023-Published
Mr. Ravi Kant	202311025908	Intraluminal Dosimetry Slab Phantom	2023-Published
Dr. Amit Joshi, Dr. Geeta Rana, Ms. Sapna Bist, Ms. Kajal Mahawar	358285-001	Water bottle with digital wallet	2022-Registered
Dr. Ravindra Mersing Ghoti Dr. Purushottam M. Borkar , Ar. Namita Singh ,Phan Minh Duc, Dr. Vijay D Kulkarni, Hoa Thi Hong Phuong , Dr. Shubhanker Yadav, Dr. Shalini Singh , Dr. Geeta Rana , Dr. Neelam Rani 11. Dr. Priyanka	366761-001	Customer Emotions and Feedback Detecting Device	2022-Registered
Dr. Sanchita Pugazhendi	345016-001	Breast Feeding Chair with Alarm System	2022-Registered
Mr Prashant Ratauri	354998-001	Dustless Chalk Case	2022-Registered

Mr. Prashant Raturi	355000-001	Double Walled Tea Cup	2022-Registered
Mr. Sandeep Kumar	354999-001	Double Handle Can	2022-Registered
Dr. Jayanti Semwal, Dr. Deep Shikha, Dr. Yashpal Singh, Dr. Dheeraj Bansal, Dr. Sudip Bhattacharya, Dr. Sumit Kumar Singh,	202211065664	Case control method for Diabetes mellitus as a risk factor for ischemic stroke	2022-Published
Dr. Mamta Goyal, Dr. DN Awasthy, Dr. Shailendra Raghuvanshi, Dr. Sakshi	202211065866	Triple Phase Multidetector ComputedTomography of Hepatic Masses with Cytopathological Correlation	2022-Published
Dr. Manju Saini, Dr. M. Goel, Dr. A. Kusum, Dr. M. Pattanayak, Dr. S. Raghuvanshi, Dr. Asmita Chugh	202211065635	Evaluation process for ADC Values in Probably Benign and Suspicious Malignant Breast Lesions	2022-Published
Dr. Neha Sharma, Dr. Shaili Vyas, Dr. Jayanti Semwal, Dr. Swati Sharma,	202211065871	Study to Assess Knowledge, Attitude, and Practices Toward Road Traffic Safety Regulations Among Students	2022-Published
Dr. Renu Dhasmana, Dr. Amit, Dr. Harsh Badahur	202211067648	Corneal transplants surgical method	2022-Published
Dr. Ruchi Juyal, Dr. Deep Shikha, Dr. Sunil Saini, Dr. Jayanti Semwal, Dr. Amita Mason, Dr. Sai Chandan Das	202211065648	Method for finding prevalence of psychological distress among cancer patients	2022-Published
Dr. Vivek Kumar, Mr. Sandeep Kumar,Dr. C.S. Nautiyal	202211069422	Oxygen scavenging petri dish and composition for growing anaerobic microorganisms	2022-Published
Dr. Vivek Kumar, Mr. Sandeep Kumar,Dr. C.S. Nautiyal,	202211031400	An apparatus for spreading microbial culture on a petri dish	2022-Granted
Dr. Vivek Kumar, Mr. Sandeep Kumar,Dr. C.S. Nautiyal,	202211036384	Petri dish for growing microorganisms with a variable lockable mechanism	2022-Published
Dr.Yogesh Saxena, Dr.Nimish Jindal	202211063263	Acute effect of slow abdominal breathing on heart ratevariability in pre-hypertensive	2022-Published
1) Dr. Rakhee Sodhi Khanduri, Dr. Varuna Jethani, Dr. Rashmi Jindal, Dr. Nadia Shirazi	202211063281	Rare Etiology of Drug Rash in a Patient Receiving AntiTuberculosis Treatment	2022-Published
Dr. Abhishek Kandwal, Dr. Sanjeeva Kumar,Dr.Nidhi Kundra	202211067667	Cross-Sectional Study on Oral Health Knowledge and Beliefs Assessment in Adult Population	2022-Published

Dr. Ajay Poddar, Dr. Shobhna Poddar, Dr. Som Aditya Juyal, Dr. Amit Nautiyal , Dr. Ashulekha Gupta, Dr. Sanjay Gupta	202211006153	Model for Effective Cross Selling for Financial products	2022- Published
Dr. Anshika Arora, Dr. Neena Chauhan, Dr. Sunil Saini, Dr. Nishish Vishwakarma, Dr. Tanvi Luthra	202211063285	Role of Frozen Section of a Sentinel Lymph Node in Patients with Early Breast Cancer for the Management of the Axilla in India	2022- Published
Dr. Anshika Arora, Dr. Sunil Saini, Dr. Vipul Nautiyal, Dr. S.K. Verma, Dr. Meenu Gupta, Dr. B.P. Kalra, Dr. Mushtaq Ahmad,	202211056511	Process for prevalence of pain, anxiety, and depression in admitted cancer patients	2022- Published
Dr. Ashulekha Gupta, Dr. Anu Sayal, Dr. Sanjeev Kumar, Dr. Amit Nautiyal , Dr. Som Aditya Juyal, Dr. Sanjay Gupta,	202211008311	Intelligent secure private key sharing framework for advanced communication using asymmetric cryptography and blockchain	2022- Published
Dr. Deepa Singh, Dr. Aksh Dubey, Dr. SL Jethani, Dr. Nadia Ahmad	202211063250	Morphometric analysis of proximal end of the tibia	2022- Published
Dr. Deepak Oberoi, Dr. Vinit Mehrotra, Dr. Tarun Chaudhary	202211063510	Comparison of Immediate Postoperative Complications in Using Left Internal Mammary Artery Vein Versus Only Vein	2022- Published
Dr. Dipti Y Sorte	202211063249	Neonatal Skin Care Process	2022- Published
Dr. Dipti Y Sorte	202211064822	Care of skin in Neonate Neonatal skin care guidelines	2022- Published
Dr. Gagandeep Acharya, Dr. Rajeev Mohan Kaushik, Dr. Rohit Gupta, Dr. Reshma Kaushik	202211056512	Scoring method for predictors of 3-month mortality among end-stage liver disease patients	2022- Published
Dr. Garima Mittal, Dr. Rajender Singh, Dr. Manish Mittal, Dr. Barnali Kakati, Dr. Shagufta Jahoor, Dr. Madhuri Tripathi	202211065849	Diagnosis method for VAP based on clinical and microbiological criteria	2022- Published
Dr. Girish Gupta, Dr. Garima Goyal,	202211056500	Peritoneal dialysis training simulator for neonates	2022- Published
Dr. Grace M. Singh, Dr. J. ManoRanjini, Dr. Priyanka Thakur	202211063546	Quality of Life and Psychological Well-Being among Elderly Living in Old Age Homes and Living with their Families in Selected Areas	2022- Published
Dr. Grace M. Singh, Rajkumari Sylvia, Dr. Rahul Singh	202211063503	Factors Affecting Awareness of Mental Health among Adults of Selected Area	2022- Published

Dr. Harleen Kaur, Dr. Priya JPN, Dr. Vinay Kumar	202211063292	Study to Assess Health-Related Quality of Life (HRQOL) among Cardiac Patients	2022-Published
Dr. Harsh Bahadur	202211067654	Method of tarsorrhaphy and amniotic membrane transplantation in the healing of persistent corneal epithelial defects	2022-Published
Dr. K Selvasundaram, Ms. Ekta Rao, Dr. Subrato Kumar Dey, Dr. M K Kathiravan, Dr. T. Milton, Iskandar Muda, Valentino Joebert Barbosa, Dr. Geetha Manoharan, Sunitha Purushottam, Rakesh Ahlawat	202241032910	A system & method for maintaining Conditions of Mental Health in the Working Environment with the help of Human Resource Management	2022-Published
Dr. Laxmi Kumar, Dr. Kanchan Bala, Dr. Himani Bora	202211063501	Study on the Knowledge and Practice regarding Prevention of Postpartum Complications among Post Natal Mothers	2022-Published
Dr. Manjot S. Arora, Dr. Reshma Kaushik, Dr. Shahbaj Ahmad, Dr. Rajeev Mohan Kaushik,	202211056514	Prediction process for acute kidney injury in patients with decompensated cirrhosis	2022-Published
Dr. Nand Kishore, Dr. Sushant Khanduri, Dr. Barnali	202211063244	Method of finding patterns of microorganisms of urinary tract infection and its outcomes in diabetic patients	2022-Published
Dr. Nand Kishore, Dr. Sushant Khanduri, Dr. Barnali	202011056809	Wearable Mindfulness Enhancing Device For Relieving Stress Induced Anxiety	2022-Published
Dr. Neeraj Gupta	202211026749	A urinal prototype for cancer screening by quantitation of native nucleic acids in urine using UV spectroscopy	2022-Published
Dr. Nikku Yadav, Dr. Yogesh Saxena, Mr. Dilip Kumar J Saini, Dr. Mansi Kala, Dr. Anita Sharma, Dr. Saurabh Singh, Ms. Nidhi Yadav	202211039179	A Smart System or Non-Invasively Determining Level of Bilirubin, Haemoglobin and Hematocrit in Blood Using Artificial Intelligence	2022-Published
Dr. Rashmi Jindal, Dr. Payal Chauhan,	202211063514	Systematic Review of Cutaneous Manifestations of Coronavirus Disease	2022-Published
Dr. Renu Dhasmana, Dr. Ranjit Kumar,	202211067659	Traumatic Optic Neuropathy in Head Injury	2022-Published
Dr. Ruchi Juyal, Dr. Jayanti Semwal, Dr. Ashok Kumar Srivastava, Dr. Deep Shikha, Dr. Vidisha Vallabh, Dr. Sunil Dutt Kandpal	202211063577	Community-Based Study on Barriers to Utilization of Antenatal Care Services by Currently Married Women	2022-Published

Dr. S.S.Bist, Dr. Lovneesh Kumar, Dr. Saurabh Saini ,	202211063560	Prevalence and Etiological Factor of Hearing Impairment among School Going Children in Rural Area	2022- Published
Dr. Sampan Singh Bist, Dr. Lovneesh Kumar, Dr. Vinish Kumar Agarwal, Dr. Himanshu Kumar Mittal, Dr. Shiraz Syed,	202211067675	Cross-Sectional Observational Study on Clinico-Aetiological Profile of Patients with Vertigo	2022- Published
Dr. Sanjenbam Emon Chanu, Dr. Vandana Chauhan, Dr. Rashmi Joshi	202211063322	Effectiveness of home based toilet training on knowledge and practice of mothers	2022- Published
Dr. Smita Chandra, Dr. Anuradha Kusum, Dr. Vipul Nautiyal, Dr. Manveer Kour Raina, Dr. Sushil Kumar Shukla	202211063252	Diagnostic Rescue of Silent Scalp Swelling by Fine-Needle Aspiration	2022- Published
Dr. Tanmay Singh, Dr. Saurabh Bansla, , Dr. Sunil Saini, , Dr. Mushtaq Ahmad,	202211056510	Treatment Process of HPV infection and mutation of p53 gene in esophageal squamous cell carcinoma	2022- Published
Dr. Varuna Jethani, Dr. Rakhee Sodhi Khanduri, Dr. Ankit Aggarwal, Dr. Suchita Pant	202211063266	Uncommon Etiology of Chronic Wheeze	2022- Published
Dr. Veena Asthana, Dr. Rohan Bhatia, Dr. Medha Bhardwaj	202211063245	Anaesthetic management Method in guillain-barré syndrome undergoing total hip replacement	2022- Published
Dr. Taruna Sharma, Dr. Sohaib Ahmad, Dr. Suman Bala, Dr. Juhi Kalra, Dr. Aalia Tausif	202211063259	Study of Awareness and Adherence in Patients Receiving Anti- Hypertensive Drugs	2022- Published
Mr. Arpit Goel, Mr. Kanhaiya	202211000896	Article Receiving And Distributing System	2022- Published
Mr. Nagasreenivasarao P	202211023307	System And Method For Monitoring Heart Rate To Provide Remedial First Aid Action	2022- Published
Mr. Prashant Ratauri, Mr. Rahul Aswal	202111059160	Smart Hot Cum Cold Flask	2022- Published
Mr. Prashant Raturi	202211026072	Strapless facemask	2022- Published
Mr. Sandeep Kumar	202111060156	Chainless Bicycle	2022- Published
Mr. Prashant Raturi	202213000948	A Multi-Functional Bottle With Enhanced Gripping Capability	2022- Published
Nisha Bhatia	202211071329	Process to calculate the Tc-99m pertechnetate thyroid uptake using Thyroid Uptake Probe	2022- Published

Dr. Kunal Das	335087-001	Cervical Range of Movement Instrument	2021-Registered
Dr. Kunal Das	337175-001	Vertex Perimetry Device	2021-Registered
Mr. Prashant Raturi	345015-001	Hybrid water cum sanitizer bottle	2021-Registered
Dr. Garima Mittal, Dr. Rajendra Singh, Dr. Naresh Khanduri, Dr. Chandra Shekhar Nautiyal	202111059956	Antimicrobial Sanitizing Formulation	2021-Published
Dr. Kunal Das, Dr. Nitika Agrawal	202011053351	Stylet Retaining Lumbar Puncture Needle	2021-Published
Dr. Kunal Das, Dr. Nitika Agrawal, Mr. Vipul Nautiyal	202011051239	Cervical Range of Movement Instrument	2021-Published
Dr. Kunal Das, Dr. Nitika Agrawal, Mr. Shubham Agrawal, Ms. Vedika Agrawal, Dr. Vipul Nautiyal, Dr. Manish Raturi, Dr. Anshika Arora	202111006746	Vertex Perimetry Device	2021-Published
Dr. Vijendra Chauhan, Dr. Chandra Shekhar Nautiyal,	202111011479	Bone Cement Injecting Device With Air And Body Fluids Removal Mechanism	2021-Published
Mr. Brij Bhooshan Gupta, Ms. Anupama Mishra , Mr. Deepak Gupta, Perakovi	Australian Innovation Patent No. 2021102049	Method And System For Defense Against Distributed Denial-Of-Service Attack	2021-Published
Mr. Dilip Kumar J Saini , Mr. Deepak Srivastava, Mr. Devendra Prasad, Mr. Neeraj Rathore, Mr. Ajay Kumar, Mr. Dheresh Soni, Mr. Ranjeet Singh, Dr. Pramod Kumar, Dr. Anuj Kumar Singh	202111039110	A Drug Discovery System With Immuno-Oncology Protein For Cancer Treatment Using Artificial Intelligence	2021-Published
Mr. Prashant Ratauri, Mr. Rahul Aswal	202111047802	Patient Shifting Pallet	2021-Published
Mr. Prashant Ratauri, Mr. Rahul Aswal	202111054645	Grain Grinding Machine	2021-Published
Mr. Prashant Raturi	202111031174	Nursing Brassiere For Feeding Fluids To A Breastfeed Addicted Child	2021-Published
Mr. Prashant Raturi	202111031173	A Multi-Functional Bottle	2021-Published

Mr. Rahul Aswal	202111020456	Multi-Purpose Collapsible Shed	2021-Published
Mr. Yogesh Pant	202011048066	Smart Mushroom Cultivation System	2021-Published
Pattanayak, Mr. Dilip Kumar J Saini , Binod Kumar,Sing, Awanish Kumar, Anand,Ketan, Bhardwaj,Akshay, Bahadur Saini, Soniker Shrikant, V, Baig, Mirza Moiz, Sawwashere, Supriya Sureshrao, Lanjewar, Ashutosh Omprakash, Zunke, Sonali Abhay, Manjunath, T.C. G, Pavithra	Australian Patent with Application Number 2021104507	Smart System for Detection of Black Fungus and White Fungus Disease Using Artificial Intelligence, Internet of Things Sensors and Deep Learning	2021-Published
Suman, Shruti; Saurabh , Kumar; Bahadur Saini, Dilip Kumar Jang ;Aggarwal , Nikhil; Shrivastava, Amit; Rakesh, Shanu Kuttan; Sonekar, Shrikant V.; Haridas, Sanjay Laxmikant; Subramanyam, M Madhusudhana and Vaishnav, Satish R.	Australian Patent with Application Number 2021105390	Integrated Intelligent Rainwater Harvesting And Storage System Based On IOT For Converting It To Purified Water	2021-Published
Mr. Kapil Lakhwara, Dr. Abhishek Sharma	336532-001	Transformer Bed	2020-Registered
Dr Aisha Naaz,Dr Girish Gupta	1653/2023-CO/L	“HimGiriNaaz - An innovative, neonatal transporter unit for short duration transport”	2023
Dr Jayanti Semwal, Dr Ashok K Srivastava,Dr Deep Shikha, Dr Vidisha Vallabh,Dr Rajiv Bijalwan,Ms Akanksha Uniyal	13047/2023-CO/L	प्राथमिक स्वास्थ्य कर्मियों के लिए ड्रग व्यसन तथा ड्रग दुरुपयोग पर स्वास्थ्य पुस्तिका	2023
Dr Suraj Kumar Singh,Dr Girish Gupta	1675/2023-CO/L	“GiriSuraj” An Innovative Solar flux based Home Phototherapy Unit for Management of Neonatal Jaundice in low middle income countries.	2023
Dr Suraj Kumar Singh,Dr Girish Gupta	1690/2023-CO/L	“GiriSurya” An innovative gastric tube and ancillaries Holder for neonates being cared inside incubator.	2023

Dr Talha Rehman,Dr Girish Gupta	722/2023-CO/L	“HimGiriTal” is an Innovative tool for measuring forehead pulse oximetry using peripherally placed transmittance pulse sensor in newborns in low middle income countries	2023
J.ManoRanjini	13008/2023-CO/L	Visual Auditory Kinesthetic Tactile technique and Dyslexia	2023
Ms Maithili Bhagavatula,Dr Jayanti Semwal, Dr Ashok K Srivastava,Dr Deep Shikha, Dr Vidisha Vallabh,Dr Rajiv Bijalwan,Ms Akanksha Uniyal	13037/2023-CO/L	Substance Use Training Module for Stakeholders, Teachers and Parents;	2023
Dr. Garima Mittal	24893/2022-CO/L	Antibiotic audit tool: simple and effective	2022
Dr. Girish Gupta	22975/2022-CO/L	“GiriBLS”- A Life savior Basic Life Support Ready Reference Pocket Purse sized Card,	2022
Dr. Girish Gupta , Dr. Astha Panghal	22966/2022-CO/L	“GirAsh” - Neonatal Needle Cricothyrotomy Simulator,	2022
Dr. Girish Gupta, Dr. Harit Prasad	22967/2022-CO/L	“GiriHari - Resuscitator” T-piece resuscitator for use in healthcare services during neonatal short transportation in low middle income countries,	2022
Dr. Girish Gupta, Mr. Deepak Sharma,Dr. Chinmay Chetan	22963/2022-CO/L	“GirDeep” - a Gastric Tube Holder, for neonates being cared under radiant warmers & baby cradles, in low middle income countries,	2022
Dr. Girish Gupta,Ms. Indu Negi, Dr. Saikat Patra	22957/2022-CO/L	“GirIndu” - An ambient light dimmer, for creating developmentally supportive night milieu for the neonates being cared under radiant warmers & baby cradles in low middle income countries,	2022
Dr. Nikku Yadav, Dr. Yogesh Saxena, Dr. Mansi Kala, Mr. Dilip Kumar Jang Bahadur Saini, Dr. Anita Sharma	1949/2022-CO/L	Novel Approach of Predicting Blood level of Hemoglobin for anemia using Artificial Intelligence	2022
Dr. Poorva Sharma, Dr. Girish Gupta, Dr. Yasir Ahmad Lone	22973/2022-CO/L	“GirYaPoorv”- the Thoracostomy trainer simulator model,	2022

Dr. Rajeev Bijalwan, Dr. Rakesh Kakkar, Dr. Pradeep Aggarwal, Dr Anurag Bhargava, Dr. Anil Juyal, Dr. D. C Vidyarthi, Mr. Sunil Khanduri, Mr. Vikesh Semwal,	12739/2022-CO/L	First Aid and Support Training Manual for Drivers and Conductors	2022
Dr. Girish Gupta, Dr. Sohini Ghosh, Dr. Saikat Patra,	22969/2022-CO/L	“GiriSohi” - Suprapubic needle aspiration (SPNA) trainer,	2022
Dr. Girish Gupta, Dr. Sohini Ghosh, Dr. Saikat Patra	22970/2022-CO/L	“GirSohi” - a bubble mattress for neonates undergoing undersurface phototherapy for Neonatal Jaundice,	2022
Mr. Prashant Raturi, Mr. Rahul Aswal, Ms. Shweta Samant	3030/2022-CO/L	Path Guidance System for A Multi-Specialty Center	2022
Dr. Dipak Kumar Dhar, Dr. Brijesh Purwar	1736/2021-CO/L	A Study to Assess the Body Image Perception of Young Adults and its Impact on their Lifestyle Choices	2021
Dr. Garima Mittal, Mr Rajesh Kumar	20861/2020-CO/L	Hospital Antibigrams: Need of the Hour and Tool for Bringing Antibiotic Stewardship	2021
Dr. Garima Mittal, Mr Rajesh Kumar	20871/2020-CO/L	Hospital Antibigrams: A Necessity	2021
Dr. V D Semwal, Dr. Rajeev Bijalwan, Mr. Sunil Khanduri, Mr. Vikesh Semwal	17368/2021-CO/L	First Responder Module	2021
Mr. Vishnu Sharan, Mr. Nitesh Kaushik, Dr. Rajeev Bijalwan, Mr. Raj Kumar Verma, Mr. Naresh Thapliyal	10672/2021-CO/L	Pani Ki Kahani	2021