



MEENAKSHI
ACADEMY OF HIGHER EDUCATION & RESEARCH
(DEEMED TO BE UNIVERSITY U/S 3 OF UGC ACT 1956)



2021 – 2022

Details of Patents

S. No.	Application No.	Title of the patent/	Name of the Inventor	Status	Date of Publication / Grant
1.	202241014960	Calibrated BP Blade	Dr. Prabhu Shankar Dayashankar Dr. Ramya Sekar Dr. Srinivasa Prasad T	Granted	29.12.2023
2.	202141061192	A Device and Charger Unit Used in a Dark Environment	Sabarinath Balaraman Dhanarathna Shanmugam Protyusha Guha Biswas	Granted	05.02.2024
3.	202241011859	A Novel Disposable Suction Tip	Sabarinath Balaraman Ramya Sekar Jeyaseelan Ramasamy Kavitha Bottu	Granted	15.04.2024
4.	202241011527	Autoclavable Silicone Sleeve for Dental Handpieces	Dr. Kaushik Prakash Dr. Protyusha Guha Biswas	Granted	25.06.2024
5.	202241017726	Dental Distraction Goggles	Dr. Preethi Murali Dr. Manoj Prabhakar Dr. Logeswari Jayamani Dr. Kavitha Bottu	Granted	31.07.2024

6.	202241034318	Utility Cheek Retractor Tool	Dr. Jaiganesh Inbanathan Dr. Anitha Raghunathan Dr. Burnice Nalina Kumari Chellathurai Dr. Manodh Dr. Srividhya Srinivasan	Granted	31.07.2024
7.	202241029723	Disposable Oral Mucosal Retractor	Dr. Anitha R Dr. Divya R	Granted	29.04.2025
8.	202241014961	Calibrated Punch Biopsy	Dr. Prabhu Shankar Dayashankar Dr. Sabarinath Balaraman Dr. Ramya Sekar	Published	25.03.2022
9.	202241000023	Peptides as Markers for Cardio-Perio Continuum	Jaideep mahendra Sruthi Srinivasan Anil Kumar K	Published	14.01.2022
10.	202141031334	Baby Weaning Appliance	Dr. Preethi Murali Dr. Sivapathasundharambalasundharam	Published	16.07.2021
11.	202141031335	Soft-Bite Appliance	Dr. Preethi Murali Dr. Sivapathasundharambalasundharam	Published	16.07.2021
12.	202141037745	A Process of Preparation of Polyherbal Pharmaceutical Formulation Exhibiting Biological Activity Against the Oral Pathogens and Product Thereof	Dr. Revathi K Dr. Kunguma Priya Sudarson R Dr Jaideep Mahendra Devi	Published	27.08.2021

13.	202241014959	Calibrated Punch Biopsy with Exchangeable Tips	Dr. Ramya Sekar Dr. Prabhu Shankar Dayashankar Dr. Sabarinath Balaraman Dr. Srinivasa Prasad T Dr. Kavitha Bottu	Published	25.03.2022
14.	202241033557	Intra Oral Illumination Device	Dr. Anitha R Dr. Jaiganesh Dr. Burnice Nalina Kumari Dr. Manodh Dr. Srividhya	Published	17.06.2022

Details of Copyrights

S. No.	Application No.	Title of the patent/	Name of the Inventor	Status	Date of Filing/ Registration
1.	16472/2021-CO/L	A Comparative Evaluation of Stress Distribution Between An All on Four Implant Supported Prosthesis and the Trefoil Implant Supported Prosthesis: A Three Dimensional Finite Element Analysis Study	Dr. Jaisudhaa M Dr. Lambodaran G	Registered	23.08.2021
2.	16475/2021-CO/L	Effect of Various Denture Cleaning Protocols on Denture Biofilm Accumulation- In Vivo Study	Dr. Tejasri K Dr. Bharanija K S	Registered	23.08.2021
3.	16479/2021-CO/L	Effect of Finishing and Polishing Procedures on the Surface Roughness, Topography, and Flexural Strength of Monolithic Zirconia: An In Vitro Study	Dr. Vyshnavi Devi J Dr. Lakshmi.S	Registered	23.08.2021
4.	16482/2021-CO/L	Assessment of Cytological Features in Tobacco Users by Pap and Giemsa Stain	Dr. Abigail Viola E	Registered	23.08.2021
5.	16487/2021-CO/L	Significance and Correlation of Spheno Occipital Synchronodrosis, Dental Age and Cervical Vertebrae Maturation in Age Estimation- A Retrospective Cone Beam Computed Tomography Study	Dr. Abubakkar Siddiq B Dr. Harsha Vardhan B G	Registered	23.08.2021
6.	16492/2021-CO/L	Effect of “Pulsed Electromagnetic Field (PEMF)” on Human Osteoblast Cultures with Varied Frequency and Time	Dr. Anirutha G Dr. Nandakumar A	Registered	23.08.2021
7.	16494/2021-CO/L	Comparison of Occlusal Bite Forces Using T-Scan in Modified and Full Coverage Thermoplastic Retainers	Dr. Lokamithra R Dr. Uma Maheshwari	Registered	23.08.2021

8.	16496/2021-CO/L	Pre and Post Orthodontic Treatment Evaluation of Body Posture and its Correlation to Cervical Posture in Subjects with Skeletal Class II Malocclusion	Dr. Priyanka V Dr. Ratna Parameswaran	Registered	23.08.2021
9.	16499/2021-CO/L	Three- Dimensional Evaluation of Stress Distribution and Displacement Pattern in Maxilla and Mandible with a Fixed Functional Appliance - A Finite Element Study	Dr. Selva Arockiam A Dr. Devaki Vijayalakshmi R	Registered	23.08.2021
10.	16503/2021-CO/L	Evaluation of Decrowding Efficiency Between Two Types of Superelastic Nickel Titanium Archwires - An In-Vivo Study	Dr. Dharshini G Dr. Vijaykumar N M	Registered	23.08.2021
11.	16721/2021-CO/L	Assessment of Pharyngeal Airway Flow Characteristics in Different Skeletal Profile – A Computational Fluid Dynamic Analysis	Dr. Sudarson. V Dr. Srinivasa Prasad T	Registered	23.08.2021
12.	16726/2021-CO/L	Analysis of Nasal and Nasopharyngeal Airflow Characteristics Before and After Maxillary Setback And/Or Superior Impaction Surgery Using Computational Fluid Dynamics	Dr. Milen Mathew Abraham Dr. Titus Thomas	Registered	23.08.2021
13.	16718/2021-CO/L	Correlation of Bony Morphology of the Temporomandibular Joint with the Discal Position in Internal Derangement: A Comparison of CBCT and MrRI Study	Dr. Nikita Caroline John Dr. Thomas Zachariah	Registered	24.08.2021
14.	16632/2021-CO/L	Stress Distribution And Displacement In The Maxillofacial Complex During Intrusion And Distalization Of The Maxillary Arch Using Miniplates Versus Mini-Implants: A 3- Dimensional Finite Element Study	Dr. Abinaya S Dr. Devaki Vijayalakshmi R	Registered	25.08.2021

15.	16640/2021-CO/L	Evaluation of Dimensional Changes in Maxillary and Frontal Sinus in Adult Patients with Anterior Open Bite and Normal Overbite - A Retrospective CBCT Study	Dr. Siva Sankari R S S Dr. Srinivasan B	Registered	25.08.2021
16.	16645/2021-CO/L	Assessment of Primary Stability of Dental Implants Placed in Narrow Ridges Using Proprietary Densah Burs	Dr. Madhav P Dr. Manodh P	Registered	25.08.2021
17.	16648/2021-CO/L	Correlation of Variations in Pharyngeal Airway Dimensions in Different Skeletal Profiles – A Computed Tomographic Study	Dr. Gautham Krishnan Dr. Pradeep Devadoss	Registered	25.08.2021
18.	16654/2021-CO/L	Comparison of Occlusal Digital Analysis and Temporomandibular Joint Status During Retention Phase in Patients Undergoing Orthognathic Surgery and Patients Undergoing Only Orthodontics with Patients Having Normal Occlusion Using T-scan	Dr. Manikandan S Dr. Manikandhan R	Registered	25.08.2021
19.	16731/2021-CO/L	Estimation of Salivary Vitamin D Levels and its Correlation with Teeth Eruption	Dr. Sathya Priya R Dr. Kavitha B	Registered	25.08.2021
20.	16737/2021-CO/L	Comparison of the Effect of Scaling and Root Planing on Salivary Arginase and Uric Acid Levels in Subjects with Generalised Chronic Gingivitis and Generalized Chronic Periodontitis	Dr. Lakshmi Priya K Dr. Anil Kumar Kanakamedala	Registered	25.08.2021
21.	17064/2021-CO/L	Age Determination Using Secondary Dentin and Sclerotic Dentin – An Institution Based Study	Dr. Balandrar S K Dr. Kavitha B	Registered	26.08.2021
22.	17071/2021-CO/L	Evaluation of Apical Debris Extrusion with Contracted Endodontic Access Cavity (Guided) in the Mesial Root of Mandibular First Molars – An In-Vitro Study	Dr. Aswathi Varghese Dr. Velmurugan N	Registered	26.08.2021

23.	17075/2021-CO/L	Effect of Different Concentrations of Sodium Hypochlorite Influences the Fibrin Structure of the Blood Clot and Growth Factor Release	Dr. Anisha Mishra Dr. Nandini S	Registered	26.08.2021
24.	17082/2021-CO/L	Evaluation of the Effect of Injectable Platelet Rich Fibrin (I-PRF) in Combination with Bone Graft and Guided Tissue Regeneration Membrane in the Treatment of Intrabony Defect- A Randomized Control Trial	Dr. Shruthi C Dr. Anitha Logaranjani	Registered	26.08.2021
25.	17089/2021-CO/L	Comparison of the Serum and Salivary Levels of NT-PROBNP in Otherwise Systemically Healthy Subjects with Mild, Moderate and Severe Chronic Periodontitis	Dr. Shonali Vijayaraj Dr. Geetha A	Registered	26.08.2021
26.	17093/2021-CO/L	Comparison of the Effect of Concentrated Growth Factor and Platelet Rich Fibrin in the Treatment of Multiple Gingival Recession Defects – A Randomized Split Mouth Clinical Study	Dr. Nisha Mary Jose Dr. Ashok Kumar S	Registered	26.08.2021
27.	17042/2021-CO/L	Determination of NLRP3 (Rs4612666) And CARD8 (Rs2043211) Gene Polymorphisms in Subgingival Plaque Samples and Blood Samples of Generalized Chronic Periodontitis Subjects with and Without Coronary Heart Disease	Dr. Abirami Nayaki Rao P Dr. Jaideep Mahendra	Registered	31.08.2021
28.	17058/2021-CO/L	Isolation of Epithelial Cells from Tooth Pick and Gender Identification by Amplification of SRY Gene	Dr. Amal Steffi D	Registered	31.08.2021
29.	17243/2021-CO/L	Comparative Evaluation of Antibacterial Activity of Different Glass Ionomer Cements Used for Atraumatic Restorative Treatment –An In-Vitro Study	Dr. Mitul U Dr. Mohammed Farzan J Dr. Parisa Norouzi Baghkomeh	Registered	31.08.2021

30.	17250/2021-CO/L	Comparative Effectiveness of Various Oral Health Education Methods on Oral Health Knowledge and Practices among 8 -10 Years Old School Going Children in Chennai City -A Randomized Field Trial	Dr. Bhuvaneswari M Dr. Preetha Elizabeth Chaly	Registered	31.08.2021
31.	17036/2021-CO/L	Comparative Evaluation of Peri implant Hard Tissue Level Using Flapless Soft Tissue Punch Technique with and without Repositioning	Dr. Dhvani K Dedhia Dr. Vijayalakshmi R	Registered	31.08.2021
32.	17240/2021-CO/L	A Cross Sectional Study of Dental Age Estimation with the Willems and Demirjian Methods in Children from Chennai	Dr. Dhanalakshmi S Dr. Mohammed Farzan J	Registered	31.08.2021
33.	17217/2021-CO/L	Comparison of Surface Microbial Adherence of Various Microflora Among Different Maxillofacial Prosthetic Materials – An Invitro Study	Dr. Danush Kumar R Dr. Devi Parameswari B	Registered	31.08.2021
34.	17223/2021-CO/L	Comparison of Colour Reproducibility of Partially Stabilized Zirconia and Fully Stabilized Zirconia- An In Vitro Study	Dr. Backer Abu Tariq N Dr. Annapoorni H	Registered	31.08.2021
35.	17234/2021-CO/L	Anti-Bacterial Effect of Luting Glass Ionomer Cement Used for Hall Technique Stainless Steel Crowns Incorporated with and without Turmeric	Dr. Kiran Malani K M Dr. Mohammed Farzan J Dr. Parisa Norouzi Baghkomeh	Registered	31.08.2021
36.	17361/2021-CO/L	Estimation of Mandibular Condylar Bone Density Variations Among Different Agegroups Using Cone Beam Computed Tomography - A Retrospective Study	Dr. Sushmitha.S Dr. Saraswathi Gopal K	Registered	02.09.2021
37.	17369/2021-CO/L	Assessment of Skull Base Structures to Determine Sexual Dimorphism Using Cone Beam Computed Tomography-A Forensic Based Retrospective Study	Dr. Nagammai N Dr. Saraswathi Gopal K	Registered	02.09.2021
38.	17377/2021-CO/L	Assessment of Radiographic Risk Indicators for Inferior Alveolar Nerve Injury and to Evaluate the Cortical Integrity and Level of Decortication of Mandibular Canal–A Retrospective CBCT Study	Dr. Madhu Preetha V S Dr. Harsha Vardhan B G	Registered	02.09.2021

39.	17383/2021-CO/L	Interfacial Shear Bond Strength Analysis of Material Layered Over Dentin Replacement Material	Dr. Mohammed Abdul Raoufe Dr. Sooriaprakas C	Registered	02.09.2021
40.	17393/2021-CO/L	Comparative Evaluation of the Fracture Resistance of Endodontically Treated Teeth Prepared Using Traditional, Conservative And Truss Access Cavity Designs Subjected to Thermocycling and Dynamic Loading - An In Vitro Study	Dr. Sneha Susan Santosh Dr. Suma Ballal C	Registered	02.09.2021
41.	17404/2021-CO/L	Evaluation of Adhesion Strategies in Restoring Non Carious Cervical Lesions Extending to Root Surface – A Randomized Controlled Trial	Dr. Praveen R Dr. Suma Ballal C	Registered	02.09.2021
42.	17411/2021-CO/L	Assessment of the Rate of Occurrence of Dental Caries Among Type-2 Diabetics Visiting Tertiary Hospitals	Dr. Ashritha M C V Dr. Velmurugan N	Registered	02.09.2021
43.	18086/2021-CO/L	Effectiveness of Oral Health Literacy Intervention on Oral Health Literacy and Oral Health Related Behavior Among College Students in Chennai City – A Randomized Controlled Field Trial	Dr. Rene Selestina J P Dr. Preetha Elizabeth Chaly	Registered	03.09.2021
44.	21935/2021-CO/L	Expression of HER2/NEU in Colorectal Carcinoma	Dr. Anitha A Dr. Archana S	Registered	20.10.2021
45.	21936/2021-CO/L	Expression of Epithelial Membrane Antigen and Cytokeratin Marker in Lymph Nodes of Node Negative Breast Carcinomas	Dr. Paleri Madhumita Dr. Shanmugapriya M	Registered	20.10.2021
46.	21937/2021-CO/L	The Immunohistochemical Expression of CD44 in Oral Squamous Cell Carcinoma and its Correlation with Histopathological Grading	Dr. Preethi S Dr. Suresh R	Registered	20.10.2021

47.	22776/2021-CO/L	Comparison Between Intranasal Antrostomy and Middle Meatal Antrostomy in the Management of Chronic Maxillary Sinusitis – A Prospective Study	Dr. Sindu M Dr. Srinivasan M K	Registered	26.10.2021
48.	22780/2021-CO/L	Study of Endoscopic Endonasal Approaches to Tumors in Pterygopalatine Fossa and Infratemporal FOSSA	Dr. Sathyanarayanan J D Dr. Srinivasan M K	Registered	26.10.2021
49.	22784/2021-CO/L	A Study of Characteristics of Pulmonary Manifestations in Cirrhosis of Liver with ABG And Pulmonary Function Tests in MAHER	Dr. Vibuja E Dr. Anbazhagan G MD	Registered	26.10.2021
50.	22789/2021-CO/L	Comparison of Serum Zinc Level in T2DM Patient & Nondiabetic and its Relationship with Glycated Hemoglobin	Dr. Muthuvel Raja J Dr. Anbazhagan G MD	Registered	26.10.2021
51.	22790/2021-CO/L	A Study of Association of Serum Ferritin Level as a Prognostic Factor and Outcome in Patients with Acute Ischaemic Stroke	Dr. Manu Reddy S Dr. Mohan Raj P MD	Registered	26.10.2021
52.	21939/2021-CO/L	Immunohistochemical Expression of CD34 in Gastric Carcinoma and its Correlation with Clinicopathological Parameters	Dr. Sree Ramya Dangeti Dr. Eswari V	Registered	26.11.2021
53.	21941/2021-CO/L	Comparative Study of the Prevalence and Factors Affecting Occupational Stress Among High and Higher Secondary School Teachers in Urban and Rural Schools in Thiruvallur Block of Thiruvallur District, Tamil Nadu	Dr. Solomon Rajkumar P Dr. Kokilaselvvaraj	Registered	26.11.2021
54.	22647/2021-CO/L	Study on Functional Outcome Following Surgical Management of Ankle Fracture	Dr. Aravind M C Dr. Sankaralingam P	Registered	31.12.2021
55.	22649/2021-CO/L	Study on Functional Outcome Following Surgical Management of Tibial Plateau Fractures	Dr. Vijay K M Dr. Sankaralingam P	Registered	31.12.2021

56.	22652/2021-CO/L	Prevalence of Postpartum Depression and its Related Risk Factors Among Rural Post Natal Mothers in Parandur Block Kanchipuram District- A Cross Sectional Study	Dr. Vidhya M Dr. Kokilaselvaraj	Registered	31.12.2021
57.	22656/2021-CO/L	A Study of the Diagnostic Utility of Cartridge Based Nucleic Acid Amplification Test of Various Body Fluids Other Than Sputum in Different Forms of Tuberculosis	Dr. Mohamed Ajmal N Dr. Srinivasan R	Registered	31.12.2021
58.	22657/2021-CO/L	An Assessment of Asthma Control Using Asthma Control Test and its' Association with Spirometry	Dr. Indranil Banerjee Dr. Srinivasan R	Registered	31.12.2021
59.	24458/2021-CO/L	Seroprevalence of IGG Rubella Antibodies in Indian Adolescent Girls, A Hospital Based Cross Sectional Study	Dr. Vidhya Mathangy J Dr. Jayanthi R MD	Registered	03.01.2022
60.	24460/2021-CO/L	A Study on the Correlation Between Body Mass Index and Peak Expiratory Flow Rate in School Going Children Aged Between 8-15 Years In Kancheepuram, India	Dr. Dhamodhar Reddy T Dr. Bala Gopal M MD	Registered	03.01.2022
61.	25213/2021-CO/L	Physical Growth Pattern of Low Birth Weight Babies in the First Year of Life	Dr. Faraaz Adil Dr. Bala Gopal M MD	Registered	11.01.2022
62.	24456/2021-CO/L	A Prospective Observational Cohort Study on the Effect of Serum Magnesium Concentration in Patients Undergoing Routine Haemodialysis	Dr. Nirmal Kumar N S Dr. Anbarasu D MD	Registered	12.01.2022
63.	25214/2021-CO/L	Serum Vitamin D Levels and its Relation with Severity of Childhood Asthma in Children 1-12 Years of Age	Dr. Varshith Tharun Dr. Bala Gopal M MD	Registered	12.01.2022

64.	25220/2021-CO/L	Randomized Control Trial to Assess the Efficacy of Povidone Iodine Irrigation in Reducing Surgical Site Infection After Elective Abdominal Surgeries	Dr. Karthick Subburaj Dr. Saravanan P S	Registered	12.01.2022
65.	25222/2021-CO/L	Study on Perioperative Glycemic Control and Postoperative Surgical Site Infections	Dr. Kondas S Pavan Kumar Reddy Dr. Ravi P MS	Registered	12.01.2022
66.	25223/2021-CO/L	A Prospective Study on Clinico-Pathology of Varicose Veins and its' Surgical Management	Dr. Omprakash M Dr. Govardhanan K	Registered	12.01.2022
67.	25226/2021-CO/L	A Prospective Study to Determine Post- Operative Morbidity and Mortality Using Surgical Apgar Score	Dr. Suraj Girish Dr. Saravanan P S	Registered	12.01.2022
68.	26214/2021-CO/L	Oral Clonidine Vs Oral Gabapentin for Obtunding Hemodynamic Response to Laryngoscopy and Tracheal Intubation	Dr. Aravinthan M Dr. Thirumaaran MD	Registered	24.01.2022
69.	26221/2021-CO/L	Intrathecal Midazolam Increases the Analgesic Effects of Spinal Blockade with Bupivacaine in Patients Undergoing Haemorrhoidectomy	Dr. Sivaprakash V Dr. Shanmugam. P S MD DA	Registered	24.01.2022
70.	26222/2021-CO/L	A Clinical Comparative Study of Dexmedetomidine and Clonidine as Adjuvants to 0.25% Bupivacaine, in Supraclavicular Brachial Plexus Blockade for Adult Upper Limb Surgeries at Meenakshi Medical College Hospital and Research Institute	Dr. Yuvan Prasannaa Dr. Thirumaaran U G MD	Registered	24.01.2022
71.	26225/2021-CO/L	Role of Colour Doppler Ultrasound and MR Angiography in Evaluation of Extracranial Carotid and Vertebral Arteries in Stroke Patients	Dr. Priyanka Vudumula Dr. Rajasekhar K V	Registered	24.01.2022
72.	26232/2021-CO/L	Role of HRCT Temporal Bone in Diagnosis of Chronic Suppurative Otitis Media in Correlation with Intra Operative Findings	Dr. Ranjith Kumar S Dr. Rajasekhar K V	Registered	24.01.2022

73.	27458/2021-CO/L	A Cross-Sectional Comparative Study on the Prevalence of Sensory Processing Issue in Children with Autism Spectrum Disorder and Typically Developing Children	Dr. Ashweeja N Dr. Ramarao Mannam, MD	Registered	24.01.2022
74.	27461/2021-CO/L	Comparative Evaluation of Efficacy of Salicylic Acid 20%- Mandelic Acid 10% Versus Glycolic Acid 50% Peels in patients with Acne Vulgaris Grade I, II, III	Dr. Preethi M Dr. Kumaravel S	Registered	24.01.2022
75.	27464/2021-CO/L	A Study of Cutaneous Manifestations of Diabetes Mellitus	Dr. Darshana Sundaresh Dr. Kumaravel S	Registered	24.01.2022
76.	27466/2021-CO/L	A Study of Nail Changes Seen in Papulosquamous Disorders	Dr. Jeena Dixon D Dr. Kumaravel S	Registered	24.01.2022
77.	25219/2021-CO/L	Procalcitonin as A Diagnostic Marker for Sepsis and Antibiotic Therapy	Dr. Varun Prakash A Dr. Ganesan M MS	Registered	28.01.2022
78.	27496/2021-CO/L	A Correlation of Increased Serum Homocysteine and Decreased Renal Function in CKD	Dr. Sai Sindhu Singh K Dr. Mohan Raj P MD	Registered	31.01.2022
79.	27492/2021-CO/L	A Comparative Study of Antioxidant Levels in Normal Pregnancy and Gestational Diabetes Mellitus	Dr. Roohi Tabassum Dr. Renukadevi T K MD	Registered	03.02.2022
80.	27490/2021-CO/L	Personality Profile and Stressful Life Events in Alcohol Relapse Patients Attending Psychiatry Department in a Tertiary Care Hospital	Dr. Prashant Jain Dr. Ramarao Mannam MD	Registered	07.02.2022
81.	27482/2021-CO/L	Efficacy of Prophylactic Use of Hydrocortisone and Low Dose Ketamine for Prevention of Shivering Under Spinal Anesthesia for Lower Abdominal Surgery	Dr. Karthika R Dr. Thirumaaran U G MD	Registered	08.02.2022
82.	27483/2021-CO/L	Analysis of Immunohistochemical Expression of CD10 in the Malignant Lesions of Prostate	Dr. Hetal R Patel Dr. Aruthra P MD	Registered	08.02.2022

83.	27487/2021-CO/L	Study of Central Corneal Thickness in Relation to Intraocular Pressure in Normal, Ocular Hypertensive and Glaucoma Subjects	Dr. Anjana R Dr. Namitha Bhuvaneswari K	Registered	08.02.2022
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Details of Designs

S. No.	Application No.	Title of the patent/	Date of Publication / Grant
1.	315990-001	Surgical Cutter	16.07.2021
2.	315988-001	Laser Cutter for Surgical Operation	29.12.2021
3.	314378-001	Blood Collector Device	02.03.2022