

**Patents published/awarded year wise during the last five years**

Patent Number	Nature of the patent		Title of the patent	Year of Award / publish of patent
	National	International		
62/454,810	62/454,810		A process for Preparing purified GLA	2017
IN288303 Date:12/10/2017 Grant no- 352017	IN288303 Date:12/10/2017 Grant no- 352017		A controlled release pharmaceutical Formulation	2017
			Nanofibers of antibiotic for inhibiting formation of biofilm	2017
201711042923		201711042923	SELF ATVTIGEN, ENZYME TNB CELL VACCINE VIRAL VACCINE N BACTERIAL/PLANT VACCINE.	2017
201711028601		201711028601	A METHOD OF PREPARING PHYTOSOMAL NANOEMULSION FOR THE TREATMENT OF TYPE 2 DIABETES MELLITUS	2017
201711026346		201711026346	ELECTROCHEMICAL BIOSENSOR TOWARDS POINT-OF-CARE OF HEPATOCELLULAR CARCINOMA PROGNOSIS	2017
IN329756	IN329756		Gadolinium (III) complex and its carbon nano-tube composite thereof, for anticancer activities	2018
201811044208		201811044208	A COMPOSITION FOR MUCUS OR SPUTUM LIQUEFACTION AND A PROCESS THEREOF	2018
201811039405		201811039405	A METHOD FOR PRODUCTION OF MODIFIED STEVIA SWEETENER WITH ENHANCED SWEETENING INDEX	2018
PCT/IN2019/050386	PCT/IN2019/050386		A CHIP AND A METHOD FOR HEAD & NECK CANCER PROGNOSIS	2019

TEMP/E-1/22809/2019- CHE , 201941021932	TEMP/E-1/22809/2019- CHE , 201941021932		Preparation of novel 1h-pyrazolo[4,3-d] pyrimidines, their compositions, synthesis and methods of using them for treating tuberculosis,India	2019
Indian Patent application No. 201811014045	Indian Patent application No. 201811014045		Composition of Biodegradable Polymeric Nanoparticle and A process of preparation of said composition	2019
201911048193		201911048193	NANOFIBERS OF ANTIBIOTIC FOR INHIBITING FORMATION OF BIOFILM	2019
201911043046		201911043046	A NOVEL HERBAL COMPOSITION FOR TREATING LOWER GENITAL TRACT INFLAMMATION AND INFECTIONS	2019
201911020422		201911020422	SYSTEM & METHOD THEREOF FOR SECURE DIGITAL HEALTH NETWORK BASED ON DISTRIBUTED LEDGER TECHNOLOGY	2019
322473	322473		" A composition for regulated release of neurotherapeutic agent and a process thereof	2019
P.2252.	P.2252.		A Herbal formulation for immunemodulation and method of preparation thereof	2019
WO2019/224673		WO2019/224673	Signature protein of mycobacterium tuberclosis and its methods of use	2019
38/2020	38/2020		A Natural Phytochemical Dietary Supplement for Prevention, Treatment, and Management Of Diabetes Mellitus	2020
201811039405		201811039405	A method for production of modified Stevia sweetener with enhanced sweetening index	2020
202011048970		202011048970	SYSTEM AND METHOD FOR TRANSMITTING ONE OR MORE ALERTS CORRESPONDING TO ONE	2020

			OR MORE PRODUCTS.	
20200188477		20200188477	A medicament for the treatment of diseases by biofilm forming microorganisms. United States Patent Application 20200188477	2020
348268-001	348268-001		Vertical Spacer	2020
202011047741		202011047741	A TWO-STAGE HOMORPHIC ENCRYPTION-BASED FRAMEWORK FOR SECURING USER'S PRIVACY IN PRODUCING ONLINE RECOMMADATION	2020
202011045616		202011045616	DEVELOPMENT OF HPTLC FINGERPRINT OF A MEDICINALLY USEFUL PLANT FOR ITS AUTHENTICATION AND IDENTIFICATION	2020
202011045615		202011045615	DENSITOMETRIC SCANNING METHOD USING HPTLC FOR AUTHENTICATION OF IDENTITY OF A MEDICINAL PLANT	2020
202011045587		202011045587	HPTLC FINGERPRINTING METHOD FOR AUTHENTICATION AND 1 IDENTIFICATION OF A MEDICINALLY USEFUL PLANT	2020
202041030793		202041030793	CLOUD SHARING SYSTEM: CLOUD COMPUTING INFORMATION SHARING SYSTEM IN REAL-TIME.	2020
202011026390		202011026390	SPRAY BANDAGE OF POVIDONE- IODINE FOR WOUND HEALING	2020
202041016738		202041016738	DEVELOPMENT OF IOT BASED PART INSPECTION SYSTEM	2020
202011015851		202011015851	ISPT- MOBILE BANKING: INTELLIGENT AND SECURED PAYMENT TRANSFER USING MOBILE BANKING.	2020

202011011525		202011011525	RECOMBINANT MYCOBACTERIUM SMEGMATIS AND IMPLEMENTATIONS THEREOF	2020
202011010950		202011010950	A DIAGNOSTIC KIT FOR DETECTING MYCOBACTERIUM LEPRAE	2020
202011008988		202011008988	A FRAMEWORK FOR PROTECTING PERSONALLY IDENTIFIABLE INFORMATION OVER SOCIAL NETWORK SITES	2020
202011007810		202011007810	RECOMBINANT MYCOBACTERIUM SMEGMATIS AND APPLICATIONS THEREOF	2020
202011003491		202011003491	SUSTAINED RELEASE AND SITE SPECIFIC ENAMEL ADHESIVE DRUG DELIVERY SYSTEM	2020
2020103213		2020103213	AIPB- Routing Protocol Verification: Ad Hoc Routing Protocol Intelligent Verification Process Based on Beagle Bone Black kit	2020
IN342141	IN342141		An Endrographolide compound and process for prepararion thereoff	2020
202111022364		202111022364	Eco-friendly paper product made from corn husk, pithed sugarcane bagasse (SB) and their furnish	2021
Temp/E-1/34470/2021-DEL		Temp/E-1/34470/2021-DEL	Synthesis of Mannich bases of pioglitazone and method there of	2021
Temp/E-1/35309/2021-DEL		Temp/E-1/35309/2021-DEL	Synthesis of mannic bases of 2,4,5 triphenyl imidazole and method theseof	2021
P.2204	P.2204		An Herbal Formulation for Managment of Neurodengenerative Disorders and A Method of Preparation Thereof	2021
P.2346.	P.2346.		Immunomodulatory and Anti-Map potential of synergistic Herbal formulationand method of preparation	2021

			thereof	
2021100143		2021100143	Computer - implemented method for encryption over a block chain data sharing in secure network	2021
350040-001		350040-001	Robot for sanitization and mask detection	2021
202131001255		202131001255	Communication method of blockchain data sharing using secure encryption and decryption	2021
20211017877		20211017877	Artificial intelligence-based system for design surface of computerized building design model	2021
202131018259		202131018259	Deep learning-based system for detection of covid-19 disease of patient at infection risk	2021
202111016924		202111016924	Internet of things sensor based smart and intelligent wheelchair system	2021
202141060766		202141060766	IoT BASED REMOTE PATIENT MONITORING SYSTEM USING WIRELESS BODY AREA NETWORKS (WBAN)	2021
202111059333		202111059333	A FORMULATION COMPRISING PROTEIN ASSEMBLED NANO-VEHICLE ENCAPSULATING NEUROTHERAPEUTIC AGENT AND METHOD FORPREPARATION THEREOF	2021
202141050174		202141050174	AN CLOUD COMPUTING ENABLED 5G WIRELESS SENSOR NETWORK COMPRISES IOT SENSOR FOR SMART CITY IMPLEMENTS	2021
202111047869		202111047869	DESIGN AND DEVELOPMENT OF IOT-BASED PASSENGER COUNTING IN TRANSPORTATION	2021

			SYSTEM	
202141047024		202141047024	MACHINE LEARNING BASED INTELLIGENT SENSOR FRAMEWORK TO ASSIST FARMERS IN WEATHER FORECASTING FOR APPROPRIATE CROPCULTIVATION	2021
202141028036		202141028036	A hybrid energy harvesting system with improved solar efficiency	2021
202111021983		202111021983	SYSTEM FOR INTEGRATED MONITORING AND MANAGEMENT OF AGRICULTURE AND RELATED PARAMETERS USING INTERNET OF THINGS	2021
202131018259		202131018259	DEEP LEARNING BASED SYSTEM FOR DETECTION OF COVID-19 DISEASE OF PATIENT AT INFECTION RISK	2021
202111017877		202111017877	ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR DESIGN SURFACE OF COMPUTERIZED BUILDING DESIGN MODEL	2021
202131017275		202131017275	IOT BASED SYSTEM FOR MONITORING AND NOTIFICATION FOR USAGE OF LIQUEFIED PETROLEUM GAS	2021
202111011159		202111011159	IMAGE PROCESSING SYSTEM AND METHOD FOR OBJECT DETECTION USING MACHINE LEARNING	2021
202131008193		202131008193	MACHINE LEARNING BASED PROCESS FOR MEDICAL DATA-PATTERN IDENTIFICATION & APPLICATION WITH VISUALIZATION IN USER INTERFA	2021
2021101766		2021101766	Cartoonify Image Detection Using Machine Learning	2021

201911048193-		201911048193-	Exploration of nanotherapeutic intervention for its potential use as an anti- biofilm product	2021
2021101194		2021101194	A Smart City System for Citizen's Utilizing Ubiquitous Computing Technique	2021
2021101577		2021101577	An IoT Based System for Emergency Healthcare	2021
2021101195		2021101195	Privacy-preserving Authentication and Key-Management Protocol for Health Information System	2021
AU2020104346		AU2020104346	Smart and portable long distance security system without using laser light	2021
IN202111046805	IN202111046805		Diversity oriented novel Capsaicinoids as anticancer and cefprofloxacin potentiating agent	2021
IN202111044966	IN202111044966		Cationic conjugates of non-steroidal antiinflammatory drugs with enhanced antibacterial efficacy	2021
2021102448		2021102448	APPARATUS FOR BABY CRY DETECTOR WITH REAL-TIME NOTIFICATION USING IOT	2021
IN382589	IN382589		Alpha-terpinene as a novel permeation enhancer	2021
202211008260		202211008260	An AI-ML Based Method And System For Mitigating Prognostic Reverberation Of Virus Exposure	2022
202111054294		202111054294	AN ADVANCE MANGEMENT OF IoT BASED FARMING SYSTEM AND METHOD THEREOF	2022
RefNo./Application No 2021104945		RefNo./Application No 2021104945	A colorimetric sensor for detecting oxytocin and method thereof	2022
202241028031		202241028031	CLOUD COMPUTING AND IOT BASED SMART ECOMMERCE PLATFORM METHOD THEREOF	2022

202241022452		202241022452	VEHICULAR ADHOC NETWORK TO AVOID ROAD ACCIDENTS	2022
202241020591		202241020591	DEEP LEARNING ENABLED SYSTEM AND METHOD FOR DETERMINING USERS CONFIDENCE BY ANALYSING EXPRESSION, BEHAVIOUR AND VO	2022
202241016820		202241016820	A SMART SYSTEM TO HARVEST SOLAR ENERGY IN A WIRELESS TRANSMISSION MODE AND CONVERT IT INTO ELECTRICAL ENERGY	2022
202241014221		202241014221	MACHINE LEARNING BASED APPROACH TO ANALYZE THE GROWTH OF MUSHROOM AS PER QUANTITY OF SEEDS	2022
202211014029		202211014029	AN INTELLIGENT LOGISTICS SYSTEM BASED ON IOT (INTERNET OF THINGS)	2022
202211013416		202211013416	COMPUTER IMPLEMENTED METHOD FOR CRYPTOCURRENCY PRICE PREDICTION USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	2022
202211009182		202211009182	ON LINE AUCTION SYSTEM USING MACHINE LEARNING	2022
202241007240		202241007240	SYSTEM AND METHOD FOR GENERTING CYBERSECURITY ANALYTICS OF ENTERPRISE DATA USING THREAT BASED ARTIFICIAL INTELLIGENCE	2022
202221005013		202221005013	"COUMARIN-PYRAZOLE BASED ISONIAZID HYBRID COMPOUNDS AS ANTI-MYCOBACTERIAL DRUG CANDIDATES"	2022

202211002426		202211002426	IMPLEMENTATION OF MIXED REALITY IN BANKING SECTOR FOR FINANCIAL TRANSACTION	2022
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