

Manipal University Jaipur Directorate of Research

Status of Patent Filing as MUJ Applicant

Patent Filed: 342 Patent Published: 299 Patent Granted: 53

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Patent	Title	Date of Filing	Applicant Name	IPR Filing Status	Application Number	Publication date	Journal No	Page No	Date of Patent granted	Patent Number	Department Name
Patent	GeneWave: Continuous Genetic Monitoring for Precision Farming	29/12/2023	Manipal University Jaipur Jaipur	Applied	202311089631						Information and Technology
Patent	Emotion-Reflecting Garment for Understanding and Addressing Emotional Needs of Children in Challenging Environments	08/12/2023	Manipal University Jaipur Jaipur	Applied	202311083769						Fashion Designing Fashion Designing Fashion Designing
Patent	VersaWear: Sustainable Multi-Purpose Garment Crafted from Upcycled Materials for High-End Fashion	08/12/2023	Manipal University Jaipur Jaipur	Applied	202311083768						Fashion Designing Fashion Designing Fashion Designing
Patent	INFLUENCE OF SPIRITUALITY(S) AND EMOTIONAL INTELLIGENCE (EI) ON EMPLOYEE EXPERIENCE (EX)	13/10/2023	Manipal University Jaipur Jaipur	Published	202311068948	24/11/2023	47/2023	78077			TSB Commerce
Patent	Underwater Image Color Enhancement using Swift Algorithm and Hue Preserving based Mechanism	29/12/2023	Manipal University Jaipur Jaipur	Applied	202311089617						Computer and communication Eng
Patent	An Intelligent Adaptive Noise Removal System for Clear Voice Communication	29/12/2023	Manipal University Jaipur Jaipur	Applied	202311089619						Computer and communication Eng
Patent	A NOVEL METHOD FOR DRUG DELIVERY TO TREAT NEUROINFLAMMATION: DEXAMETHASONE-LOADED PLGA NANOPARTICLES	22/09/2023	Manipal University Jaipur Jaipur	Applied	202311063649						Biosciences Biosciences Biosciences
Patent	Device for conversion of biomass waste into value added products	15/02/2021	MUJ Jaipur	Grant	202121006226	05/11/2021	45/2021	52162	14/12/2023	482519	Chemical Engineering
Patent	UNRAVELLING THE SECRETS BEHIND VIRAL VIDEOS: UNDERSTANDING CONTENT APPEAL FACTORS	23/08/2023	Manipal University Jaipur Jaipur	Published	202311056458	22/09/2023	38/2023	62743			Business Administration TSB Business Administration TSB
Patent	Indian Classical Music Classification Model	31/10/2023	Manipal University Jaipur Jaipur	Published	202311073993	24/11/2023	47/2023	78502			Data Science and Engineering Information and Technology Information and Technology Computer and communication Eng
Patent	INTEGRATION OF ETHEREUM SMART CONTRACTS WITH IIOT DIGITAL TWINS INFRASTRUCTURE FOR MONITORING AND ANALYZING LPG CYLINDER	13/10/2023	Manipal University Jaipur Jaipur	Published	202311069004	24/11/2023	47/2023	78082			Computer and communication Eng Computer and communication Eng
Patent	Non-Gaussian Traffic Modeling for Multicore Architecture Using Wavelet Based Rosenblatt Process	18/10/2023	Manipal University Jaipur Jaipur	Published	202311070797	24/11/2023	47/2023	78170			Computer and communication Eng Computer and communication Eng
Patent	ELECTRICALLY HEATED TEA COZY	13/06/2022	Manipal University	Grant	202206513	28/09/2022	55/09	424-425	28/09/2022	2022/06513	Hotel Management Hotel Management

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											Engineering
Patent	ELECTRICALLY HEATED CLOUSH DEVICE	17/08/2023	Manipal University	Published	202311055146	15/09/2023	37/2023	60826			Hotel Management
r atent	ELECTRICALET FILATED CEOUSIT DE VICE	17700/2023	Jaipur Jaipur	rubiisiieu	202311033140	15/09/2025	3772023	00020			Hotel Management
Patent	ELECTRICALLY HEATED CLOUSH	18/08/2023	Manipal University	Grant	2020231059589	09/02/2024			09/02/2024	G12471DE	Hotel Management
I atent	ELECTRICALET HEATED GEOGGIT	10/00/2023	Jaipur Jaipur	Grant	2020231039309	03/02/2024			09/02/2024	G1247 IDE	Hotel Management
											Computer and
Patent H	HYBRID DEEP SENTIMENT MODEL FOR SOCIAL	05/10/2023	Manipal University	Published	202311066533	20/10/2023	42/2023	72229			communication Eng
1	MEDIA CONTENT IDENTIFICATION		Jaipur Jaipur								Computer Science
											Engineering Computer and
	SOCIAL MEDIA PROBLEM DETECTION FUSION		Manipal University								communication Eng
Patent	MODEL (SMPD FUSION MODEL)	05/10/2023	Jaipur Jaipur	Published	202311066738	20/10/2023	42/2023	72199			Computer Science
	,										Engineering
											Electronics&Communica
Patent	REDSHIFT IN STRAINED TYPE-II AllnAs/AlAsSb	26/11/2019	MUJ Jaipur	Grant	201911048281	28/05/2021	22/2021	24939	08/09/2023	450254	tion Engi
1	HETEROSTRUCTURE			· · · · · ·			,,				Electronics&Communica
<u> </u>											tion Engi Electronics&Communica
	CORNER SQUARE TRUNCATED RECTANGULAR		Manipal University								tion Engi
Patent S	SLOTTED MICROSTRIP PATCH ANTENNA FOR	07/01/2023	Jaipur Jaipur	Published	202311001515	13/01/2023	02/2023	2815			Electronics&Communica
	DETECTING TUMOR										tion Engi
Λ1	NOVEL PATTERN AGILE MICROSTRIP ANTENNA										Electronics&Communica
	FOR MODERN WIRELESS COMMUNICATION	29/09/2023	Manipal University	Published	202311065416	20/10/2023	42/2023	72047			tion Engi
I GLOIK	SYSTEMS	20/00/2020	Jaipur Jaipur	1 ubiloliou	202011000410	20/10/2020	42/2020	12041			Electronics&Communica
											tion Engi
			Manipal University								Electronics&Communica tion Engi
Patent MIC	ICROSTRIP PATCH ANTENNA TO DETECT TUMOR	14/09/2023	Jaipur Jaipur	Published	202311061795	20/10/2023	42/2023	72043			Electronics&Communica
			V V P								tion Engi
											Mathematics& Statistics
											Mathematics& Statistics
Patent Pe	Performance and Computational Analysis of Queueing	03/08/2021	Manipal University	Grant	2021104893	19/08/2021	35/33	6663	11/05/2022	2021104893	Mathematics& Statistics
I dioin	Systems	00/00/2021	Jaipur Jaipur	· · · · · ·	2021101000	10/00/2021	00,00	0000	11,00,2022	2021101000	A 1 17 5 1 1
											Automobile Engineering
			Maninal University								Automobile Engineering
Patent Rel	eliability Analysis in Multicomponent Machining System	23/08/2023	Manipal University Jaipur Jaipur	Published	202311056412	22/09/2023	38/2023	62696			Mathematics& Statistics
CI	CLAY REINFORCED MORINGA OLEIFERA WATER		Mania al III di casa 9								Mechanical Engineering
Patent PUI	JRIFIER ASSEMBLY FOR PURIFYING WATER AND	05/03/2019	Manipal University Jaipur Jaipur	Published	201911008422	11/09/2020	37/2020	213			Civil Engineering
	METHOD FOR SAME		Jaipui Jaipui				1				Mechanical Engineering
	Method of Preparation of Macroporous Monoliths with		Manipal University								Chemical Engineering
Patent Tu	Γunable Hydrophobicity by Adsorption of Candle Soot	14/03/2022	Jaipur Jaipur	Published	202211013808	08/04/2022	14/2022	21502			
	Particles		oaipai oaipai								Chemical Engineering
	A METHOD OF PREPRATION OF JANUS TYPE	05/40/0000	Manipal University	B 40 1 1	000044000700	04/44/0000	44/0000	00050			Chemical Engineering
Patent SILI	LICAMICROSPHERES FOR PROLONGED RELEASE OF CARRIER MOLECULES	25/10/2022	Jaipur Jaipur	Published	202211060708	04/11/2022	44/2022	69958			Chemical Engineering
 	OF CARRIER MOLLOCLES										Information and
							1				Technology
											Information and
Patent	AUTONOMOUS FARMING SYSTEM	01/09/2023	Manipal University	Published	202311058725	06/10/2023	40/2023	21			Technology
ганн	AUTONOMIOUS FARMING STSTEM	01/09/2023	Jaipur Jaipur	rubiisiieu	202311030725	00/10/2023	40/2023	Z1			Information and
							1				Technology
							1				Computer Science
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Patent A	A DEVICE AND METHOD FOR MONITORING CAR	25/10/2023	Manipal University	Published	202311072514	24/11/2023	47/2023	9			Information and
	HEAT AND AIR QUALITY	20, 10,2020	Jaipur Jaipur				,2525				Technology

Patent	WEARABLE DEVICE AND METHOD FOR SWIPE/TAP COUNT FOR MOBILE PHONE APPLICATIONS	20/10/2023	Manipal University Jaipur Jaipur	Published	202311071919	24/11/2023	47/2023	78258			Data Science and Engineering
Patent	A device and Method for Preventing Accidents by Measuring Vehicle Distance from Wing Mirrors	30/10/2023	Manipal University Jaipur Jaipur	Published	202311073691	24/11/2023	47/2023	78488			Data Science and Engineering Computer Science Engineering
Patent	A SMART VEHICLE FOR DRIVER RISK ASSESSMENT	23/08/2021	Manipal University Jaipur Jaipur	Grant	2021106669	11/11/2021	35/45		10/11/2021	2021106669	Computer & Communication Enginee Computer Science & Engineering Computer & Communication Enginee Computer & Communication Enginee Computer & Communication Enginee Computer Science & Engineering
Patent	A HIGHLY REGULARIZED Q-LEARNING REINFORCEMENT MODEL TO PREVENT DATA FORGERY	01/06/2022	Manipal University Jaipur Jaipur	Grant	202206039	29/06/2022	55/09	384	28/09/2022	2022/06039	Computer and communication Engineering
Patent	A DISEASED PERSON IDENTIFICATION AND TRACKING SYSTEM BASED ON BLOCK CHAIN AND IOT	07/08/2021	Manipal University Jaipur Jaipur	Grant	2021105091	20/04/2022	Vol. 36, No. 18	2506	20/04/2022	2021105091	Computer Science and Engineering
Patent	A New Low Keystream Attack on the A5/1	23/08/2021	Manipal University Jaipur Jaipur	Grant	2021106660	11/11/2021	35/45		17/11/2021	2021106660	Information Technology Computer&Communicati on Enginee Computer&Communicati on Enginee Information Technology Information Technology
Patent	A SYSTEM FOR DETECTING KEY OF THE MONOALPHABETIC CRYPTOSYSTEM USING A GENETIC ALGORITHM	30/07/2023	Manipal University Jaipur Jaipur	Published	202311051223	01/09/2023	35/2023	55934			Information and Technology Information and Technology
Patent	MONOALPHABETIC CRYPTOSYSTEM USING A	16/10/2023	Manipal University Jaipur Jaipur	Grant	2023101614371700DE	20/01/2024	1	1	20/01/2024	202023105960	Information and Technology
Patent	Stochastic Model for Availability Evaluation of Embedded life Critical Systems Subject to Environmental Failure	06/07/2021	Manipal University Jaipur Jaipur	Grant	2021103911	11/08/2021	35/32	6432	11/08/2021	2021103911	Mathematics& Statistics Mathematics& Statistics Computer&Communication Enginee
Patent	EMOTION CLASSIFICATION IN HINGLISH SOCIAL MEDIA TEXT USING SUPERVISED MACHINE LEARNING ALGORITHM	19/07/2021	Manipal University Jaipur Jaipur	Grant	2021104773	19/08/2021	Vol: 35 No: 33	6663	06/04/2022	2021104773	Computer Science and Engineering

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Patent	A method for estimation of population mean using two auxiliary attributes under simple random sampling	25/07/2023	Manipal University Jaipur Jaipur	Published	202311050144	25/08/2023	34/2023	54980	Mathematics& Statistics Mathematics& Statistics Mathematics& Statistics
Patent	A novel efficient and intelligent irrigation system for Smart Irrigation	25/07/2023	Manipal University Jaipur Jaipur	Published	202311050145	25/08/2023	34/2023	54980	Mathematics& Statistics Mathematics& Statistics Computer and communication Eng Mathematics& Statistics
Patent	A novel process for Reliability and Maintainability optimisation of load haul dump machines using genetic algorithms	25/07/2023	Manipal University Jaipur Jaipur	Published	202311050146	25/08/2023	34/2023	54982	Mathematics& Statistics Computer and communication Eng Mathematics& Statistics Computer&Communication on Enginee
Patent	The fuzzy reliability measures of a semi-Markovian model under the concept of partial failure	25/07/2023	Manipal University Jaipur Jaipur	Published	202311050147	25/08/2023	34/2023	54891	Mathematics& Statistics Mathematics& Statistics Mathematics& Statistics
Patent	A novel stochastic model for availability optimization of the embedded life critical systems	25/07/2023	Manipal University Jaipur Jaipur	Published	202311050148	25/08/2023	34/2023	54892	Mathematics& Statistics Mathematics& Statistics Mathematics& Statistics
Patent	A novel process for optimization of power generating units in sewage treatment plants	25/07/2023	Manipal University Jaipur Jaipur	Published	202311050149	25/08/2023	34/2023	54897	Mathematics& Statistics Mathematics& Statistics Computer and communication Eng Computer and communication Eng
Patent	A novel method to investigate the key reliability measures of cloud infrastructure	29/08/2023	Manipal University Jaipur Jaipur	Published	202311057932	29/09/2023	39/2023	64556	Mathematics& Statistics Mathematics& Statistics Computer and communication Eng Mathematics& Statistics
Patent	A system and method for assessing the optimum availability of the cloud infrastructure	29/08/2023	Manipal University Jaipur Jaipur	Published	202311057941	27/10/2023	43/2023	74286	Mathematics& Statistics Mathematics& Statistics Computer and communication Eng Mathematics& Statistics

Patent	SENSOR ENABLED RETRACTABLE SAFETY CUSHION DEPLOYING BED AND A METHOD THEREOF	07/09/2022	Manipal University Jaipur Jaipur	Published	202211050517	09/09/2022	36	56337			Information and Technology
Patent	Micropayment Enabled Portable Advertising Device	06/03/2023	Manipal University Jaipur Jaipur	Published	202311014761	17/03/2023	11/2023	26182			Information and Technology Information and Technology
Patent	A BLOCKCHAIN BASED DEVICE AND METHOD TO ENABLE E-HEALTH SYSTEM FOR COMBATING DRUG ABUSE IN INDIA	25/10/2023	Manipal University Jaipur Jaipur	Published	202311072511	24/11/2023	47	78332			Information and Technology
Patent	BLOCKCHAIN-ASSISTED SCALABLE AND ROBUST TRUST MANAGEMENT MODEL FOR IOT	25/10/2023	Manipal University Jaipur Jaipur	Published	202311072542	24/11/2023	47	78370			Information and Technology
Patent	ARTIFICIAL SAND AND A PROCESS OF MANUFACTURING THE SAME FROM WASTE MARBLE POWDER	20/08/2020	MUJ Jaipur	Grant	202011035875	18/09/2020	38/2020	40943	07/11/2023	466416	Civil Engineering Civil Engineering
Patent	ARTIFICIAL SAND AND A PROCESS OF MANUFACTURING THE SAME FROM WASTE MARBLE POWDER	19/08/2021	Manipal University Jaipur Jaipur	Grant	2021106057	04/11/2021	35/44	8522	11/11/2021	2021106057	Civil Engineering
Patent	Software Reliability Growth Model with Testing Effort using Soft-computing	22/08/2023	Manipal University Jaipur Jaipur	Published	202311056166	22/09/2023	38/2023	62677			Mathematics& Statistics
Patent	GSM AND RFID BASED SCHOOL CHILDREN MONITORING AND SECURITY SYSTEM (GRSCMSS)	27/11/2023	Manipal University Jaipur Jaipur	Published	202311080336	29/12/2023	52/2023	94260			Computer Applications
Patent	INTEROPERABILITY REQUIREMENTS BASED INTELLIGENT SYSTEM AND METHOD FOR VIRTUALIZED SERVICE ON A CLOUD INFRASTRUCTURE	19/11/2021	Manipal University Jaipur Jaipur	Applied	PTIE20210000000417						Information Technology Information Technology Information Technology Computer Science & Engineering Electrical Engineering
Patent	A SYSTEM TO ACHIEVE THE TARGET VALUE IN LESSER NUMBER OF CYCLES WHILE ADJUSTING WEIGHTS OF BACK PROPAGATION IN NEURAL NETWORK APPLICATION	20/10/2023	Manipal University Jaipur Jaipur	Published	202311071643	24/12/2023	47/2023	78227			Information and Technology
Patent	AN INTEROPERABILITY REQUIREMENTS BASED INTELLIGENT SYSTEM AND METHOD FOR VIRTUALIZED SERVICE ON A CLOUD INFRASTRUCTURE	22/12/2023	Manipal University Jaipur Jaipur	Grant	2023122209294200DE	11/03/2024			11/03/2024	202023107629	Information and Technology
Patent	A Novel Prediction Approach For Nanoindentation Load Deformation in a Thin Film Deposited on Thick Substrate	22/08/2023	Manipal University Jaipur Jaipur	Published	202311056369A	22/09/2023	38	627			Mechanical Engineering Mechanical Engineering Mechanical Engineering Computer and communication Eng Electronics&Communication Engi
Patent	SMART WATER IRRIGATION SYSTEM FOR HOME KITCHEN GARDEN TO CONTROL OVER/UNDER WATERING	27/10/2023	Manipal University Jaipur Jaipur	Applied	202311073185						Electronics&Communica tion Engi Electronics&Communica tion Engi
Patent	FAULT AWARE RESOURCE ALLOCATION OF CLOUD RESOURCES FIELD	13/02/2021	MUJ Jaipur	Grant	2021100884	22/04/2021	Vol: 35 , No: 16	3543	22/04/2021	2021100884	Computer&Communicati on Enginee Information Technology Computer&Communicati on Enginee

Patent	Plant Identification System using Convolutional Neural Network	12/02/2021	MUJ Jaipur	Grant	2021100864	22/04/2021		3540	22/04/2021	2021100864	Computer&Communicati on Enginee Information Technology
Patent	" A novel vision-based method for detection, classification, and measurement of surface anomaly for Life Critical Industrial Applications"	25/10/2023	Manipal University Jaipur Jaipur	Published	202311061807	20/10/2023	42/2023	72044			Computer and communication Eng Civil Engineering Mechanical Engineering Electronics&Communication Engi
Patent	A Three Input Two Output Design (TITO) device for full adder circuit	16/08/2023	Manipal University Jaipur Jaipur	Published	202311055622	20/10/2023					Computer and communication Eng
Patent	A NOVEL COMPREHENSIVE APPROACH TO DETECT POWER SYSTEM EVENTS IN REAL TIME	18/08/2023	Manipal University Jaipur Jaipur	Published	202311055373	15/09/2023	37/2023	60840			Electrical Engineering Mechatronics Engineering
Patent	Real-Time Power System Transient Stability Assessment Using a New Data-Driven Technique	16/10/2023	Manipal University Jaipur Jaipur	Published	202311070060	24/11/2023	47/2023	78089			Electrical Engineering Mechatronics Engineering
Patent	A NOVEL PROCESS FOR PRODUCTION OF BIO- ETHANOL AND POWER MANAGEMENT SOLUTION USING MICROBIAL FUEL CELLS	29/09/2023	Manipal University Jaipur Jaipur	Published	202311057737	29/09/2023	39/2023	64497			Electrical Engineering Biosciences
Patent	ANALYTICAL SOLUTION OF (2 + 1) -DIMENSIONAL PHYSICAL MODELS	13/10/2023	Manipal University Jaipur Jaipur	Published	202311068978	24/11/2023	47/2023	78078			Mathematics& Statistics Mathematics& Statistics
Patent	Solution of time-fractional weakly nonlocal Schrodinger equation by to Shehu transform decomposition method	17/08/2023	Manipal University Jaipur Jaipur	Published	202311055069	15/09/2023	41/2023	69879			Mathematics& Statistics Mathematics& Statistics
Patent	A new ß-Laplace Integral Transform	18/09/2023	Manipal University Jaipur Jaipur	Published	202311062554	13/10/2023	41/2023	69879			Mathematics& Statistics Mathematics& Statistics
Patent	Intelligent Spatial Efficiency: The Resource Allocation System	13/10/2023	Manipal University Jaipur Jaipur	Published	202311069085	24/11/2023	47/2023	78164			Mathematics& Statistics Business Administration Computer Science Engineering Business Administration Business Administration
Patent	CONCRETE COMPOSITION WITH SAW DUST AND HUMAN HAIR AND METHOD OF MANUFACTURING THEREOF	05/09/2022	Manipal University Jaipur Jaipur	Published	202211050127	09/09/2022	36/2022	56319			Civil Engineering
Patent	REAL TIME MONITORING OF CLASSWORK: "TELESCRIPTSCORRECTION"	08/05/2021	Manipal University Jaipur Jaipur	Grant	P2021102412	23/06/2021			23/06/2021	2021102412	Computer&Communicati on Enginee Computer&Communicati on Enginee Computer&Communicati on Enginee
Patent	INTELLIGENT FOG DEVICE FOR SAVING LIFE ON RAILWAY TRACK	16/05/2022	Manipal University Jaipur Jaipur	Published	202211027934	20/05/2022	202022	13			Computer and communication Engineering Computer and communication Engineering Computer Science and Engineering

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Patent	AN IOT BASED FOOD QUANTITY AND INGREDIENT PREDICTING SYSTEM	31/05/2022	Manipal University Jaipur Jaipur	Grant	202206040	09/09/2022	385	385	28/09/2022	202206040	communication Eng Computer and communication Eng
Patent	A SYSTEM AND METHOD FOR PROVIDING MACHINE LEARNING BASED NAVIGATION	24/07/2023	Manipal University Jaipur Jaipur	Published	202311049704	11/08/2023	32/2023	52906			Computer and communication Eng Computer and communication Eng
Patent	A novel method to detect COVID-19 using chest Radiographs	24/08/2023	Manipal University Jaipur Jaipur	Published	202311056686	22/09/2023	38/2023	62723			Computer and communication Eng Computer Science Engineering Computer and communication Eng
Patent	A novel method to predict the Absorption Maxima of Dyes	01/09/2023	Manipal University Jaipur Jaipur	Published	202311058726	08/12/2023	49/2023	85891			Computer and communication Eng Department of Biotechnology an Computer and communication Eng Chemistry Computer&Communication Enginee
Patent	hybrid directional Extrema pattern to retrieves the texture and natural images	22/09/2023	Manipal University Jaipur Jaipur	Published	202311063619	13/10/2023	41/2023	69994			Computer and communication Eng Computer and communication Eng
Patent	RETRIEVAL USING ADAPTIVE TETROLET	11/09/2023	Manipal University Jaipur Jaipur	Applied	202311076505						Computer and communication Eng
Patent	A Novel Technique for Content Based Image Retrieval based on Region-Weight Assignment	27/10/2023	Manipal University Jaipur Jaipur	Published	202311073263	24/11/2023	47/2023	78410			Computer and communication Eng Computer and communication Eng
Patent	A DEVICE AND METHOD TO PREDICT THE AQI FOR MINERAL MINES	25/10/2023	Manipal University Jaipur Jaipur	Published	202311072497	24/11/2023	47/2023	78319			Computer Science Engineering
Patent	A novel approach for singular value problems using Bell polynomials and differential transform	08/09/2023	Manipal University Jaipur Jaipur	Published	202311060364	06/10/2023	40/2023	66338			Mathematics& Statistics Mathematics& Statistics
Patent	An efficient and reliable attendance management system based on image processing	25/08/2023	Manipal University Jaipur Jaipur	Published	202311056948	29/09/2023	39/2023	64345			Mathematics& Statistics Information and Technology
Patent	EARLY ALCOHOL INFLUENCE DETECTION AND ACCIDENT PREVENTION SYSTEM	21/11/2023	Manipal University Jaipur Jaipur	Published	202311079958	29/12/2023	52/2023	94226			Computer and communication Eng Computer&Communication on Enginee
Patent	ELDERCARE DEVICE: ENHANCING QUALITY OF LIFE	21/11/2023	Manipal University Jaipur Jaipur	Published	202311078874	29/12/2023	52/2023	94136			Computer and communication Eng Computer&Communication Enginee Computer&Communication Enginee
Patent	Flip -It Stool: Transform to Handy Bag	11/09/2023	Manipal University Jaipur Jaipur	Published	202311060806	13/10/2023	41/2023	69706			Interior Designing Interior Designing Interior Designing
Patent	CONSUMER CENTRIC MODEL OF CORPORATE SOCIAL RESPONSIBILITY	05/12/2022	Manipal University Jaipur Jaipur	Published	202311082982A	12/01/2024	02/2024	2701			Commerce
	A novel process to estimate wave height utilizing micro-										Electronics&Communica tion Engi

Patent	electromechanical systems (MEMS), the internet of things (IoTs), and machine	23/08/2023	Manipal University Jaipur Jaipur	Published	202311056427	22/09/2023	38/2023	62741	E	Electronics&Communica tion Engi
	learning (ML)								E	Electronics&Communica tion Engi
Patent	A Dynamic Gesture Detection System for Indian Sign Language (ISL) Utilizing Skeletal and Depth Images Using Depth Sensor	20/10/2023	Manipal University Jaipur Jaipur	Published	202311071847	24/11/2023	47	78287	_	Artificial Intelligence and Ma Information and Technology
Patent	A novel system for the Recognition and Interpretation of Indian sign language utilizing a depth Sensor	20/10/2023	Manipal University Jaipur Jaipur	Published	202311071649	24/11/2023	47	78228		Artificial Intelligence and Ma Information and Technology
Patent	Real time Classify Color Fundus Images of Eye Diseases for telemedicine applications using deep leaning by mobile device	01/12/2023	Manipal University Jaipur Jaipur	Applied	202311081636					Artificial Intelligence and Ma Information and Technology Computer Science Engineering
Patent	A data mining method to analyze of soil behavior and prediction of crop Yield using Soil sensor	31/10/2023	Manipal University Jaipur Jaipur	Published	202311074156	24/11/2023	47	78453		Artificial Intelligence and Ma Artificial Intelligence and Ma
Patent	CROSS-DIFFUSION AND CHEMICAL REACTION EFFECTS OF A MHD NANOFLUID FLOW INSIDE A DIVERGENT/CONVERGENT CHANNEL WITH HEAT SOURCE/SINK	21/08/2023	Manipal University Jaipur Jaipur	Published	202311055751	15/09/2023	37/2023	60922	N	Mathematics& Statistics Mathematics& Statistics Mathematics& Statistics
Patent	AutoLitAnalyzer: Automated Tool for Analysis of Literature in English Studies	17/10/2023	Manipal University Jaipur Jaipur	Published	202311070802	24/11/2023	47/2023	78171		Department of Languages,,Lite
Patent	MOP MECHANISM IN AUTONOMOUS MOBILE ROBOT FOR MULTIPURPOSE FLOOR CLEANING	24/07/2023	Manipal University Jaipur Jaipur	Published	202311049899	25/08/2023	34/2023	54902	_	Mechatronics Engineering Mechatronics Engineering Mechanical Engineering
Patent	MULTI-TERRAIN SELF-CONFIGURABLE AUTONOMOUS MOBILE ROBOT FOR MULTIPURPOSE CLEANING	18/10/2023	Manipal University Jaipur Jaipur	Published	202311071603	24/11/2023	47/2023	78268		Mechatronics Engineering Mechatronics Engineering
Patent	Moveable and flexible Tray System	29/11/2023	Jaipur Jaipur,Dr. Kusum Kanwar	Published	202311081129	29/12/2023			_	Fine Arts Interior Designing
Patent	A novel congestion control method for Internet ofThings (IoT) Network	03/10/2023	Manipal University Jaipur Jaipur	Published	202311066060	20/10/2023	42/2023	72184		Computer and communication Eng Computer and communication Eng
Patent	Minimization of Receiver Buffer Blocking in Multipath Communication	18/10/2023	Manipal University Jaipur Jaipur	Published	202311070796	24/11/2023	47/2023	78166		Computer and communication Eng Computer and communication Eng
Patent	A method for optimization of fast-retransmission path selection in CMT-SCTP	30/12/2023	Manipal University Jaipur Jaipur	Applied	202311090094					Computer and communication Eng
Patent	SURFACE MODIFICATION OF NOVEL CELLULOSIC FABRICS BY DIELECTRIC BARRIER DISCHARGE PLASMA TECHNIQUE	28/08/2019	Manipal University Jaipur Jaipur	Published	201811034142	03/07/2020	27/2020	29		Chemistry Chemistry Chemistry
Patent	HOMOGENEOUS BAROTROPIC STRING COSMOLOGY MODEL OF BIANCHI TYPE VIO IN GENERAL RELATIVITY	25/08/2023	Manipal University Jaipur Jaipur	Published	202311056970	29/09/2023	39/2023	64346		Mathematics& Statistics Mathematics& Statistics
Patent	INFLATIONARY COSMOLOGICAL MODEL OF BIANCHI	27/11/2023	Manipal University	Duhlichad	202211080233	20/12/2023	52/2023	04250	+	Mathematics& Statistics

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	TYPE II WITH STRESS-ENERGY-MOMENTUM		Jaipur Jaipur								Mathematics& Statistics
_	INHOMOGENEOUS STRING COSMOLOGICAL MODEL		Manipal University								Mathematics& Statistics
Patent	OF BIANCHI TYPE – I IN GENERAL RELATIVITY	27/11/2023	Jaipur Jaipur	Published	202311080332	29/12/2023	52/2023	94346			Mathematics& Statistics
Detect	ONTOAIDEDRE TO IMPROVE CONVENTIONAL	20/00/2022	Manipal University	Dublished	202244005000	20/40/2022	40/0000	70444			Computer Applications
Patent	REQUIREMENTS ENGINEERING PROCESS	30/09/2023	Jaipur Jaipur	Published	202311065909	20/10/2023	42/2023	72144			Computer Applications
Datast	HYBRID T SPRINKLER IRRIGATION EQUIPMENT AND	06/11/2023	Manipal University	5	000044075044	01/12/2023	48/2023	83510			Computer Applications
Patent	METHOD BASED ON INTERNET OF THINGS (IOT)	06/11/2023	Jaipur Jaipur	Published	202311075611	01/12/2023	40/2023	03510			Computer Applications Computer Applications
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Patent	CONTINUOUS AUTHENTICATION ON THE SMARTPHONE USING TYPING AND TOUCH PATTERN	06/11/2023	Manipal University Jaipur Jaipur	Published	202311075568	01/12/2023	48/2023	83485			Computer Applications
	WORK-LIFE INTEGRATION SYSTEM FOR ENHANCED										Computer Applications
Patent	CORPORATE CREATIVITY AND COMPETITIVE STRENGTH	30/09/2023	Manipal University Jaipur Jaipur	Published	202311065936	20/10/2023	42/2023	72154			Computer Applications
Patent	NANOFERTILIZERS AND NUTRIENT UPTAKE ENHANCEMENT IN CROP PLANTS: A	10/10/2023	Manipal University	Applied	202311067711						Biosciences
ratori	PROMISING AGRICULTURAL METHOD	10/10/2020	Jaipur Jaipur	Арриса	202011007711						Biodolonoco
	GREEN SYNTHESIZED SILVER NANOPARTICLES										Biosciences
Patent	PROMOTE GROWTH AND BIOMASS ACCUMULATION IN NYCTANTHESARBOR-TRISTIS L.	29/08/2023	Manipal University Jaipur Jaipur	Applied	202311057736						Biosciences
	PLANTLETS		Jaipui Jaipui								Biosciences Biosciences
											Biosciences
Patent	EFFECTIVE ANTIMICROBIAL AND DYE DEGRADATION WITH NYCTANTHES ARBOR TRISTIS	29/08/2023	Manipal University	Applied	202311057735						Biosciences
i atent	L. FRUIT-SYNTHESIZED BIOGENIC AGNPS	29/00/2023	Jaipur Jaipur	Applied	202311037733						Biosciences
											Biosciences Business Administration
Patent	Satisfaction Spectrum: A Holistic Framework for	10/10/2023	Manipal University	Published	202311067693	22/12/2023	51/2023	91256			Business Administration
	Employee Well-being		Jaipur Jaipur								Business Administration
Patent	Multifunction Foldable Drawing Bench	02/08/2022	Manipal University	Published	202211044297	19/08/2022	33/2022	51693			Architecture
			Jaipur Jaipur								Fine Arts Architecture
	IOT ENABLE SMART TABLE FOR ARCHITECTS AND		Mania al I laisa antes								Fine Arts
Patent	DESIGNERS	17/08/2023	Manipal University Jaipur Jaipur	Published	202311055218	15/09/2023	37/2023	60839			Computer and
											communication Eng
			Manipal University								Architecture Architecture
Patent	NEW BAHARAT GREEN BUILDING RATING SYSTEM	17/08/2023	Jaipur Jaipur	Published	202311055221	15/09/2023	37/2023	60867			Architecture
	APPLICATION AND EFFECTIVENESS OF		Manipal University								Architecture
Patent	RESPONSIVE ADAPTIVE SKINS IN COMMERCIAL BUILDINGS IN INDIA	17/08/2023	Jaipur Jaipur	Published	202311055219	15/09/2023	37/2023	60865			Architecture
Patent	MAPPING OF CONSUMER SOCIAL RESPONSIBILITY COMPONENTS AND CONSUMERS' NEEDS: A NEW	10/10/2023	Manipal University	Published	202311067695A	22/12/2023	51/2023				Commerce
i atent	PATH TOWARDS SUSTAINABILITY	10/10/2020	Jaipur Jaipur	i ubilalieu	202011001090A	22,12,2020	31/2023				Commerce
								1			Mechatronics
Patent	AN ECONOMICAL, AUTOMATED, NON-INVASIVE DEVICE FOR SPINAL CURVATURE MEASUREMENT	28/01/2019	Manipal University Jaipur Jaipur	Grant	201911003426	05/04/2019	14/2019	39	27/12/2023	489789	Engineering Mechatronics
	DEVISE FOR SETTING CONVATORE MEASUREMENT		Jaipul Jaipul								Engineering
											Mechatronics
											Engineering

Patent	AUTONOMOUS PROTECTIVE ENCLOSURE FOR UNMANNED AERIAL VEHICLES AND SENSORS	18/08/2023	Manipal University Jaipur Jaipur	Published	202311055479	24/11/2023	47/2023	77987			Mechatronics Engineering Mechatronics Engineering
Patent	Electro-Hydraulics System For Industrial Intermittent Loading Applications	16/09/2023	Manipal University Jaipur Jaipur	Published	202311062437	15/12/2023	50/2023	88264			Mechatronics Engineering Mechatronics Engineering Computer and communication Eng
Patent	DIGITAL TRANSITION BLUEPRINT: A GUIDE TO GOING ONLINE FOR LOCAL BUSINESSES	12/10/2023	Manipal University Jaipur Jaipur	Published	202311068581A	03/11/2023	44/2023	75670			Business Administration Business Administration Commerce
Patent	IoT ENABLED RETRACTABLE URINAL SYSTEM AND A METHOD THEREOF	17/08/2021	Manipal University Jaipur Jaipur	Grant	2021105713	28/10/2021	35/43	32	03/11/2021	2021105713	Computer&Communicati on Enginee Computer&Communicati on Enginee Mechatronics Engineering
Patent	IOT ENABLED AUTOMATIC WASHROOM CLEANING	21/06/2021	Manipal University Jaipur Jaipur	Published	202111027625	24/02/2023	08/2023	13113			Computer&Communicati on Enginee Computer&Communicati on Enginee Computer&Communicati on Enginee
Patent	Portable Coconut Oil Melting Device	18/05/2022	Manipal University Jaipur Jaipur	Published	202211028701	27/05/2022	21/2022	32032			Computer and communication Engineering
Patent	An Intelligent Compost Generator And Packer	13/05/2023	Manipal University	Published	202311033775	16/06/2023	24/2023	36			Computer and
Patent	Task Scheduling and Load Balancing in Cloud Computing using Firefly Algorithm	24/07/2021	Jaipur Jaipur Manipal University Jaipur Jaipur	Published	2021104528	19/09/2021	35/33	6663			communication Eng Business Administration Computer&Communicati on Enginee Computer&Communicati on Enginee
Patent	FAULT AWARE HYBRID NATURE INSPIRED ALGORITHM USING ANN	24/07/2021	Manipal University Jaipur Jaipur	Published	2021104527	19/09/2021	35/33	6663			Business Administration Computer&Communicati on Enginee Computer&Communicati on Enginee
Patent	AN INTEGRATED SETTLER-BASED BIOFILM REACTOR FOR ONSITE TREATMENT OF DOMESTIC WASTEWATER	21/11/2023	Manipal University Jaipur Jaipur	Published	202311078887	29/12/2023	52/2023	94206			Civil Engineering Civil Engineering
Patent	ONSITE TREATMENT OF DOMESTIC WASTEWATER BY COMBINED INTEGRATED SETTLER-BASED BIOFILM REACTOR	23/11/2023	Manipal University Jaipur Jaipur	Published	202311079625	29/12/2023	52/2023	94256			Civil Engineering Civil Engineering
Patent	The multi-graph stochastic travelling salesman problem using generalized two-optimal algorithm	21/09/2023	Manipal University Jaipur Jaipur	Published	202311063313	13/10/2023	41/2023	69941			Mathematics& Statistics Mathematics& Statistics
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											Mathematics& Statistics
Patent	Stochastic Modelling of Smart Irrigation Systems	14/07/2021	Manipal University Jaipur Jaipur	Grant	2021104151	25/08/2021	35/36	7231	25/08/2021	2021104151	Computer&Communicati on Enginee

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Patent	BIOELECTROREMEDIATION OF TEXTILE DYE EFFLUENT: USING COW DUNG AND CORN-COB	09/01/2020	MUJ Jaipur	Published	202011002321	23/07/2021	30/2021	32809			Civil Engineering Civil Engineering
Patent	ANODE A Novel Approach For Using Biosurfactant in Moving Bed Biofilm Reactor	28/08/2020	MUJ Jaipur,OmniActive Health Technologies Ltd. Mumbai	Published	202011037184	06/05/2022	18/2022	28327			Biosciences
Patent	Friendly Wash Detergent Additive With Nanobiosurfactant And Extremozymes	15/09/2020	MUJ Jaipur	Published	202011039946	06/05/2022	18/2022	28331			Biosciences Biosciences Biosciences
Patent	A probiotic olive leaf based fermentati ve andnutraceuti cal beverage compositi on and process of preparati on thereof	11/08/2021	Manipal University Jaipur Jaipur,Rajasthan Olive cultivation pvt. Ilmited Jaipur,Jiwaji University Gwalior,Tripura University Agartala	Published	202111036363	10/06/2022	23/2022	35017			Biosciences
Patent	GREEN CONSUMPTION INTENTION ANTECEDENTS MODEL	18/10/2023	Manipal University Jaipur Jaipur	Published	202311070793	24/11/2023	47/2023	78165			Directorate of Online Educatio
Patent	Method of reducing resistance of transparent conducting thin films using novel chemical reduction	06/04/2022	Manipal University Jaipur Jaipur	Grant	202203893	25/05/2022	55/05	510	25/05/2022	2022/03893	Mechatronics Engineering Mechatronics Engineering
Patent	POWER CENERATOR	16/09/2023	Manipal University Jaipur Jaipur	Published	202311062411	13/10/2023	41/2023	69854			Mechatronics Engineering
Patent	ASSESSMENT OF DOCTORAL STUDENTS' INTENTION TO USE ONLINE LEARNING USING TRAM MODEL	09/11/2023	Manipal University Jaipur Jaipur	Published	202311076478	08/12/2023	49/2023	85922			Business Administration Commerce Department of Languages,,Lite
Patent	A method to detect and analysis the Web-based vulnerability	08/09/2023	Manipal University Jaipur Jaipur	Published	202311060432	06/10/2023	40/2023	66353			Information and Technology Information and Technology Information and Technology
Patent	REAL-TIME IOT-BASED INTELLIGENT TRAFFIC CONTROL AND EMERGENCY ROUTE MANAGEMENT SYSTEM	12/09/2023	Manipal University Jaipur Jaipur	Published	202311061142	13/10/2023	41/2023	69815			Information and Technology Information and Technology Information and Technology
Patent	A NOVEL METHOD FOR GEOPHYSICAL AND GEOSTATISTICAL ASSESSMENT OF GROUNDWATER AND SOIL QUALITY USING GIS, VES AND PCA TECHNIQUES	19/08/2023	Manipal University Jaipur Jaipur	Published	202311055647	15/09/2023	37/2023	60855			Chemistry Department of Biotechnology an Department of Biotechnology an
Patent	A COMPACT MAGNETO-ELECTRIC DIPOLE ANTENNA DEVICE	21/07/2021	Manipal University Jaipur Jaipur	Grant	2021104406	23/03/2022	36/14	2033	23/03/2022	2021104406	Electronics&Communica tion Engi
Patent	ACADEMIC SCHEDULE OPTIMIZATION SYSTEM BASED ON GRAPH COLORING PROBLEM USING AN EVOLUTIONARY OPTIMIZATION TECHNIQUE	25/09/2023	Manipal University Jaipur Jaipur	Published	202311064107	13/10/2023	41/2023	70041			Computer Science Engineering
Patent	MICROBIAL DESALINATION CELL AND ITS DESALINATION PROCESS	21/03/2023	Manipal University Jaipur Jaipur	Published	202311019489	12/05/2023	19/2023	35846			Biosciences Biosciences Biosciences

Patent	MONITORING CENTRIC DRIVER FATIGUE DISCERNMENT BASED ON COMPUTER VISION	24/06/2022	Manipal University Jaipur Jaipur	Published	202211036401	08/07/2022	27/2022	42851			Information and Technology
Patent	ASL – SIGN TO SPEECH	18/09/2023	Manipal University Jaipur Jaipur	Published	202311062537	13/10/2023	41/2023	69836			Information and Technology Information and Technology
Patent	Energy Efficiency Enhancement by Thermal Analysis in the System of Horizontal Permeable Base Drain	28/07/2021	Manipal University Jaipur Jaipur	Grant	2021104640	19/08/2021	35/33		27/04/2022	2021104640	Mathematics& Statistics
Patent	MATHEMATICAL MODELLING AND THERMAL ANALYSIS OF AN OSCILLATORY, CHEMICAL REACTIVE, MAGNETIZED, RADIATIVE COUETTE FLOW PAST A POROUS CHANNEL	11/09/2023	Manipal University Jaipur Jaipur	Published	202311060808	13/10/2023	41/2023	69712			Mathematics& Statistics
Patent	Sentiment Analysis In Social Media Hinglish Text Mining Using Deep Learning Algorithms	19/07/2021	Manipal University Jaipur Jaipur	Grant	2021104774	21/04/2022	Vol:36 No:16	2357	06/04/2022	2021104774	Computer Applications Computer Science and Engineering
Patent	IMPLEMENTATION OF ACCELEROMETER FOR ACCIDENT DETECTION AND ALERT SYSTEM	30/11/2023	Manipal University Jaipur Jaipur	Applied	202311084215						Computer Applications
Patent	Advanced ATM Security using Keystroke Dynamics and Touch Dynamics	04/12/2023	Manipal University Jaipur Jaipur	Applied	202311084215						Computer Applications
Patent	A method for advance ATM security using Keystroke Dynamics and Touch Dynamics	11/12/2023	Manipal University Jaipur Jaipur	Published	202311084215	12/01/2024	02/2024	2831			Computer Applications
Patent	Implementation of Accelerometer for Accident Detection and Alert System	30/11/2023	Manipal University Jaipur Jaipur	Published	202311081198	29/12/2023	52/2023	94424			Computer Applications
Patent	Centralized Mini Pool Based Distributed Hybrid Novel Approach for Channel Assignment in Cellular Network	31/07/2021	Manipal University Jaipur Jaipur	Grant	2021104772	19/08/2021	35/33	6663	04/05/2022	2021104772	Computer Science and Engineering
Patent	Alarm Buzzer for Baby Fall Protector Bed	06/08/2021	Manipal University Jaipur Jaipur	Grant	2021105073	05/05/2022	36/18	2506	20/04/2022	2021105073	Computer Science and Engineering Computer Science and Engineering Computer Science and Engineering Computer Science and Engineering
Patent	Adaptive PID Controller for Cardiac Pacemaker using Metaheuristic Technique	27/11/2023	Manipal University Jaipur Jaipur	Published	202311080349	29/12/2023	52/2023	94263			Information and Technology Information and Technology

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Patent	AN INSULIN DELIVERY SYSTEM FOR TYPE-1 DIABETIC PATIENTS	27/11/2023	Manipal University Jaipur Jaipur	Published	202311080348	29/12/2023	52/2023	94262			Information and Technology Information and Technology
Patent	A NOVEL SYSTEM FOR CONTINUOUS STIRRED TANK REACTOR USING METAHEURISTIC	28/11/2023	Manipal University Jaipur Jaipur	Published	202311080515	29/12/2023	52/2023	94280			Information and Technology
Patent	ShopEasy: A personalized recommendation engine using artificial intelligence	29/11/2023	Manipal University Jaipur Jaipur	Published	202311081637	05/01/2024	01/2024	86			Computer Science Engineering Computer Applications Computer Applications
Patent	An Optimized Method for Text Summarization in Healthcare Analytics using Swarm Intelligence	08/12/2023	Manipal University Jaipur Jaipur	Applied	202311083794						Information and Technology Computer Applications
Patent	A PUNJABI AUTOMATIC SPEECH RECOGNITION DEVICE	16/11/2023	Manipal University Jaipur Jaipur	Published	202311077903	22/12/2023	51/2023	91288			Artificial Intelligence and Ma Data Science and Engineering
Patent	POWER EFFICIENT ANT LION ALGORITHM BASED RESOURCE OPTIMIZATION FOR CLOUD INFRASTRUCTURE	24/06/2022	Manipal University Jaipur Jaipur	Published	202207018	28/09/2022	2022/07018				Computer and communication Eng Computer and communication Eng
Patent	Robotic University Management System	14/09/2023	Manipal University Jaipur Jaipur	Applied	202311061775						Business Administration
Patent	Robotic Transportation Management System	14/09/2023	Manipal University Jaipur Jaipur	Applied	202311061773						Business Administration
Patent	Robotic Hospital Management System	29/08/2023	Manipal University Jaipur Jaipur	Applied	202311057830						Business Administration
Patent	An intelligent system for automating robot-assisted processes in companies [Ein intelligentes System zur Automatisierung robotergestützter Prozesse in Unternehmen]	16/08/2023	Manipal University Jaipur Jaipur	Applied	202023106037						Business Administration
Patent	Myco-bacterial fuel cell for the treatment of effluent	23/08/2019	MUJ Jaipur	Published	201911033965	16/04/2021	04/2021	NA			Biosciences Biosciences
Patent	AN CLOUD COMPUTING ENABLED 5G WIRE LESS SENSOR NETWORK COMPRISES IOT SENSORS FOR SMART CITY IMPLEMENTS	04/08/2021	Manipal University Jaipur Jaipur	Grant	2021106065	25/11/2021	35 (47)	1-7	25/11/2021	2021106065	Mathematics& Statistics Mathematics& Statistics Mathematics& Statistics Automobile Engineering
Patent	Decision-making in machine learning using novel picture fuzzy divergence measure	20/08/2023	Manipal University Jaipur Jaipur	Published	202311055722	15/09/2023	37/2023	60912			Mathematics& Statistics
Patent	FINGER REHABILITATION EXOSKELETON DEVICE	04/04/2022	Manipal University Jaipur Jaipur	Published	202211020125	08/04/2022	14/2022	21614			Mechanical Engineering Mechanical Engineering
Patent	METHOD FOR REPORTING SHORT-TERM LEASES IN THE FINANCIAL STATEMENTS OF INDIAN COMPANIES	30/09/2023	Manipal University Jaipur Jaipur	Published	202311065933	20/10/2023	42/2023	72146			Commerce Business Administration Commerce
Patent	MULTI-SENSORY AUGMENTED REALITY SYSTEM FOR ENHANCED USER EXPERIENCE IN VIRTUAL ENVIRONMENTS	30/12/2023	Manipal University Jaipur Jaipur	Applied	202311090055						Data Science and Engineering
Patent	Underwater image enhancement using anisotropic diffusion and multiscale fusion strategy	30/12/2023	Manipal University Jaipur Jaipur	Applied	202311090054						Data Science and Engineering
Patent	SMART PHEROMONE TRAP DEVICE AND AN INTELLIGENT FRAMEWORK FOR EARLY DETECTION OF FALL ARMY WORM	14/05/2022	Manipal University Jaipur Jaipur	Grant	202206565	02/09/2022	55/06	429	28/09/2022	2022/06565	Computer Science Engineering Computer Science Engineering

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Patent	ENHANCING HEALTHCARE SECURITY AND UNCOVERING ILLEGAL SUBSTANCE DEALERS FROM SOCIETY THROUGH BLOCKCHAIN TECHNOLOGY	16/10/2023	Manipal University Jaipur Jaipur	Published	202311070005	24/11/2023	47/2023	78169	Computer and communication Eng Computer Science Engineering Artificial Intelligence and Ma
Patent	Machine Learning Based Approaches for Threat Detection in IoT and Cloud Computing Environments	16/10/2023	Manipal University Jaipur Jaipur	Published	202311069896	24/11/2023	47/2023	78158	Computer and communication Eng Computer and communication Eng Computer Science Engineering Computer and communication Eng
Patent	Numerical Study of Cattaneo-Christov Heat Flux on Water-Based Carreau Fluid Flow over an Inclined Shrinking Sheet with Ternary Nanoparticles	23/08/2023	Manipal University Jaipur Jaipur	Published	202311056406	22/09/2023	38/2023	62695	Mathematics& Statistics Mathematics& Statistics Mathematics& Statistics
Patent	JOULE HEATING EFFECT ON RADIATING MHD MIXED CONVECTION STAGNATION POINT FLOW ALONG VERTICAL STRETCHING SHEET EMBEDDED IN A PERMEABLE MEDIUM AND HEAT	25/08/2023	Manipal University Jaipur Jaipur	Published	202311056977	29/09/2023	39/2023	64353	Mathematics& Statistics Mathematics& Statistics
Patent	Comparative Study of Au-?Fe?_2 O_3 and Au-Co?Fe?_3 O_4 Hybrid Ferro Fluid over a Permeable Plate with Convective Boundaries	12/10/2023	Manipal University Jaipur Jaipur	Published	202311068536	03/11/2023	44/2023	75660	Mathematics& Statistics Mathematics& Statistics Information and Technology
Patent	Heat Transfer Analysis of Casson Hybrid Nanofluid (Cu-Al2O3/H2O) Flow over an Inclined Moving Plate with Radiation and Joule Heating	31/10/2023	Manipal University Jaipur Jaipur	Published	202311073979	22/12/2023	51/2023	91286	Mathematics& Statistics Mathematics& Statistics Information and Technology Computer and communication Eng
Patent	weaving system for weaving two different fabrics simultaneously in handloom	26/03/2021	Manipal University Jaipur Jaipur, School of planning and design Jaipur, Department of fashion design Jaipur, Dr. Sampath Kumar Padmanabha Jinka Jaipur	Published	202111013509	25/11/2022	47/2022	74710	Fashion Designing
Patent	A System and a Method for Cloth Design Analysis	13/05/2023	Jaipur, DOR Jaipur,Dr. Sampath	Published	202311033776A	16/06/2023	24/2023	42610	Fashion Designing Fashion Designing
Patent	Tea-Stroller for Physically challenged persons	04/09/2023	เพลิกโрนา ปักเจอาร์แง Jaipur Jaipur,Dr. Sampath Kumar	Published	202311059064	06/10/2023	40/2023	66347	Fashion Designing Mechanical Engineering
Patent	Process to evaluate and categorize apparel and costume designs	24/08/2023	Padmanahba linka Manipal University Jaipur Jaipur,Dr Sampath Kumar Padmanabha Jinka Jaipur	Published	202311056650	22/09/2023	38/2023	62699	Fashion Designing

Patent	Process to evaluate and categorize architectural designs	24/08/2023	Manipal University Jaipur Jaipur,Dr. Sampath Kumar Padmanabha Jinka Jaipur	Published	202311056745	22/09/2023	38/2023	62736			Fashion Designing
Patent	Process to evaluate and categorize paintings and art works	24/08/2023	Manipal University Jaipur Jaipur,Dr Sampath Kumar Padmanabha Jinka Jaipur	Published	202311056651	22/09/2023	38/2023	62700			Fashion Designing
Patent	3D- Printed Micro-filter for Fluid Filtration using Geometric Stacking	03/06/2019	Manipal University Jaipur Jaipur	Published	20191102201	07/02/2020	06/2020	7271			Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering
Patent	CONDUCTIVE HYDROGEL NANOCOMPOSITE AND PROCESS OF PREPARATION THEREOF	08/01/2020	Manipal University Jaipur Jaipur	Grant	202011000805	17/01/2020	03/2020	2986	25/02/2022	390454	Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechatronics Engineering Automobile Engineering
Patent	NANOCELLULOSE BASED BIOACTIVE INJECTABLE HYDROGEL FOR BONE TISSUE REGENERATION	14/02/2018	Manipal University Jaipur Jaipur	Grant	201811005521	30/08/2019	35/2019	39656	28/12/2023	491251	Mechanical Engineering Mechanical Engineering Mechanical Engineering
Patent	CASTOR OIL BASED FLAME RETARDANT NANOCOMPOSITE FOAM	14/02/2018	Manipal University Jaipur Jaipur	Grant	201811005503	30/08/2019	35/2019	39655	29/07/2021	373206	Mechanical Engineering Mechanical Engineering Mechanical Engineering
Patent	CUSTOMIZED BIOINSPIREDSYNTHETIC BONE GRAFTAND ITS FABRICATION USING DIGITAL LIGHT PROCESSING TECHNIQUE FOR	07/02/2021	Manipal University Jaipur Jaipur	Published	202111005196	11/02/2022	06/2022	9208			Mechanical Engineering Mechanical Engineering Automobile Engineering
Patent	MAXene ENABLED HYBRID ALOE VERA HYDROGEL FOR EXPEDITED DIABETIC WOUND HEALING	30/11/2023	Manipal University Jaipur Jaipur	Published	202311081136	29/12/2023	52/2023	94399			Mechanical Engineering Mechanical Engineering Mechanical Engineering
Patent	Biopolymer Coated Degradable Bio-Nanocomposite Metallic Bone Scaffold	28/12/2023	Manipal University Jaipur Jaipur	Applied	202311089284						Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering
Patent	SYSTEM AND METHOD FOR GENERATING AUDIO INFORMATION TO GUIDE A VISUALLY IMPAIRED USER	08/09/2022	Manipal University Jaipur Jaipur	Published	202211051423	16/09/2022	37/2022	58021			Computer Science Engineering Computer Science Engineering Computer&Communicati on Enginee Computer Science Engineering
Patent	A DEPRESSION DETECTION SYSTEM USING MACHINE LEARNING	12/09/2023	Manipal University Jaipur Jaipur	Published	202311061373	13/10/2023	41/2023	69749			Computer Science Engineering Computer Science Engineering
Patent	SYSTEM FOR REAL-TIME YOGA POSE DETECTION AND ASSESSMENT	12/09/2023	Manipal University Jaipur Jaipur	Published	202311061418	13/10/2023	41/2023	69750			Computer Science Engineering Computer Science Engineering

										Computer Science
										Engineering Artificial Intelligence
Patent	SYSTEM FOR X-RAY CAPTION AND EXPLANATION	15/11/2023	Manipal University	Applied	202311077579					and Ma
	GENERATION		Jaipur Jaipur							Computer Science Engineering
										Computer and
	A COMPUTING DEVICE FOR PROVIDING HEALTH									communication Eng
Patent	RELATED DATA	21/07/2023	Manipal University	Published	202311049253	11/08/2023	32/2023	52918		Computer and
1 dton	AND A METHOD THEREOF	21/01/2020	Jaipur Jaipur	1 ubiloliou	202011040200	11/00/2020	02/2020	02010		communication Eng
										Computer and communication Eng
										Computer and
Patent	: SYSTEM FOR CONTINUOUS GLUCOSE	30/10/2023	Manipal University	Published	202311073654	11/08/2023	47/2023	78484		communication Eng
ratent	MONITORING	30/10/2023	Jaipur Jaipur	Fublished	202311073034	11/00/2023	4772023	70404		Computer&Communicati
										on Enginee
Patent	Brick composition to enhance thermal comfort and preparation thereof.	17/08/2023	Manipal University Jaipur Jaipur	Published	202311055210	15/09/2023	37/2023	60838	l l ⊢	Architecture
	preparation thereor.		Jaipui Jaipui							Architecture Computer Science &
										Engineering
										Computer Science &
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										Computer Science & Engineering
	SYSTEM AND METHOD FOR RESTORATION OF		Mania al I Inicanaita							Computer Science &
Patent	HAZY AERIAL IMAGES	18/11/2021	Manipal University Jaipur Jaipur	Published	202111053012	26/11/2021	48/2021	56183		Engineering
	THE TALK WE HAVE COLO		ouipui ouipui							Information Technology
										Information Technology
										Mathematics& Statistics
										Computer Applications
									I —	Computer Applications
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										Engineering
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										Computer Science & Engineering
5	SYSTEM AND METHOD FOR DETECTION OF	10/11/0001	Manipal University		000444050070	00/44/0004	40/0004	50405		Computer Science &
Patent	UNMANNED AERIAL VEHICLE THROUGH NETWORK TRAFFIC ANALYSIS	18/11/2021	Jaipur Jaipur	Published	202111053078	26/11/2021	48/2021	56185		Engineering
	TIVALLIC ANALISIS									Computer Science &
										Engineering Computer&Communicati
										on Enginee
										Information Technology
									l I	Information Technology
Patent	ROBOTIC BEHAVIORAL INVESTMENT MODEL	20/10/2023	Manipal University	Published	NA	24/11/2023	47/2023	78226		Commerce
- atoni		20/10/2020	Jaipur Jaipur	i abiiolioa	14/3	2-1/11/2020	47,2020	, 5220	E	Business Administration
Patent	A GABLE ROOF INTEGRATED WITH VEGETATION	30/11/2023	Manipal University	Applied	202311081242					Architecture
	FOR HOT AND DRY CLIMATE		Jaipur Jaipur	1.1				1		Architecture
1	A BAMBOO BIOCHAR COMPOSITE PLASTER AND		Manipal University							Architecture
Patent	PREPARATION METHOD THEREOF	01/12/2023	Manipal University Jaipur Jaipur	Applied	202311075608					Architecture
			odipai odipai							Department of Biotechnology an
	I bedeschiele seeking and and a seeking a		Maninality							Mechatronics
Patent	Hydrophobic coating and patterning the inner surface of a micro/nano pipette	11/07/2022	Manipal University Jaipur Jaipur	Published	202211039592	22/07/2022	29/2022	45551	_	Engineering
	тного/папо рірекс		vaipai vaipai						N	Mechanical Engineering

Patent	A SYSTEM FOR RISK-FREE AND ENERGY-EFFICIENT COOKING AND A METHOD THEREOF	24/04/2023	Manipal University Jaipur Jaipur	Published	202311029609	26/04/2023	21/2023	38937			Information and Technology
Patent	Energy Efficient System for Resource Management in Cloud Data Center and method thereof	22/09/2023	Manipal University Jaipur Jaipur	Published	202311063639	13/10/2023	41/2023	69999			Information and Technology Information and Technology Information and Technology
Patent	INTELLIGENT IOT TECHNIQUE FOR HEALTH MONITORING USING SMART BRACELET	22/06/2022	Manipal University Jaipur Jaipur	Grant	202206927	01/08/2022	8	627	31/08/2022	2022/06927	Computer Science Engineering
Patent	COMPUTER OPERATED METHOD FOR ONTOLOGY DRIVEN OBJECT- ORIENTED SYSTEM	19/12/2022	Manipal University Jaipur Jaipur	Published	202211073452	30/12/2022	52/2022	81974			Computer Applications
Patent	(IOT) BASED DEVICES USING MULTIFACTOR	30/09/2023	Manipal University Jaipur Jaipur	Published	202311065907	20/10/2023	42/2023	72139			Computer Applications
Patent	CYBERGUARD: A NOVEL METHOD FOR DYNAMIC THREAT DETECTION AND MITIGATION IN IOT NETWORKS	30/09/2023	Manipal University Jaipur Jaipur	Published	202311065908	20/10/2023	42/2023	72140			Computer Applications
Patent	Dynamic Urban Traffic Optimization System Using IoT Sensor Networks	16/11/2023	Manipal University Jaipur Jaipur	Published	202311077864	05/01/2024	01/2024	65			Computer Applications
Patent	An Intelligent EV Charging Station Route Planner Incorporating Battery Constraints	22/09/2023	Manipal University Jaipur Jaipur	Published	202311063626	13/10/2023	41	69995			Computer Science Engineering Computer Science Engineering Computer Science Engineering Artificial Intelligence and Ma Computer and communication Eng Computer Science Engineering Computer Science Engineering Computer Science
Patent	Driver Drowsiness Detection System Based on iOS Framework	20/09/2023	Manipal University Jaipur Jaipur	Published	202311063022	13/10/2023	41/2023	69963			Engineering Computer Science Engineering Computer Science Engineering Computer Science Engineering Computer Science Engineering
Patent	A Sustainable and Effective Agricultural System with Integrated Precision Farming	08/01/2024	Manipal University Jaipur Jaipur	Published	202411001383	02/02/2024	05	10269			Data Science and Engineering
Patent	Tangible Expressions of Intangible Dance Heritage: Kalbeliya Inspired Paving Tiles	06/09/2023	Manipal University Jaipur Jaipur	Published	202311059816	06/10/2023	40/2023	66248			Interior Designing Interior Designing
Patent	PREDICTION OF WOMEN'S ECONOMIC EMPOWERMENT GROWTH IN MSME THROUGH SVM-PSO HYBRID MODEL	07/11/2023	Manipal University Jaipur Jaipur	Published	202311076114	02/12/2023	48/2023	83613			Business Administration Commerce Electronics&Communica tion Engi
Patent	A NOVEL METHOD TO FIND THE SUITABLE CANDIDATE FOR ORGANIZATION	09/11/2023	Manipal University Jaipur Jaipur	Published	202311076511	08/12/2023	49/2023	85942			Business Administration Business Administration
Patent	SYSTEM AND METHOD FOR MITIGATING COLLISION RISK FOR A PEDESTRIAN WEARING HEADPHONES	08/10/2021	Manipal University Jaipur Jaipur	Published	202111045935	29/10/2021	44/2021	49905			Computer&Communicati on Enginee Computer&Communicati on Enginee

1									Computer Science & Engineering
Patent	ANIMAL VEHICLE COLLISION AVOIDANCE SYSTEM	15/12/2022	Manipal University Jaipur Jaipur	Published	202211072405	30/12/2022			Computer and communication Eng
Patent	System And Method For Wildlife Conservation And Road Safety On Expressways	17/11/2023	Manipal University Jaipur Jaipur	Published	202311078078	29/12/2023	52/2023	94037	Computer and communication Eng
Patent	System And Method For Enhanced Overall Road Safety	17/12/2023	Manipal University Jaipur Jaipur	Published	202311078059	29/12/2023	52/2023	94027	Computer and communication Eng Computer&Communicati on Enginee
Patent	A METHOD TO BUILD AN INTERACTIVE CAR USER MANUAL [CAR BUDDY]	20/09/2023	Manipal University Jaipur Jaipur	Published	202311063026	13/10/2023	41/2023	69964	TSB
Patent	Eco Friendly Bricks: Wealth from Waste initiatives	23/08/2023	Manipal University Jaipur Jaipur	Published	202311056373	22/09/2023	38/2023	62771	Architecture Architecture Architecture
Patent	Earth-Sheltered Staggered Building Design for achieving Optimized Daylight, Visual, and Thermal Comfort	22/08/2023	Manipal University Jaipur Jaipur	Applied	202311056235				Architecture
Patent	Multi-storeyed Underground Earth Sheltered Buildings	23/08/2023	Manipal University Jaipur Jaipur	Published	202311056372	22/09/2023	38/2023	62753	Architecture
Patent	METHOD AND SYSTEM FOR IDENTIFYING GEOGRAPHICAL ORIGIN BASED ON ACCENT OF VOICE AUDIOS	20/07/2020	MUJ Jaipur	Published	20201103013	16/07/2021	29/2021	31524	Information Technology
Patent	IOT Based Smart Device For Diabetic Patients	21/05/2023	Manipal University Jaipur Jaipur	Published	202311035350	30/06/2023	26/2023	46302	Information and Technology Information and Technology Information and Technology
Patent	A System For Detecting Cyber-Security Attacks And A Method Thereof	08/08/2023	Manipal University Jaipur Jaipur	Published	202311053292	01/09/2023	35/2023	56072	Information and Technology
Patent	SMART WASTE COLLECTION AND MANAGEMENT DEVICE	21/03/2023	Manipal University Jaipur Jaipur	Published	202311019168	12/05/2023	19	35758	Information and Technology Information and Technology
Patent	System For Detecting and Identifying Person or Object Using X-Ray And Vision Camera	26/06/2023	Manipal University Jaipur Jaipur	Published	202311042734	21/07/2023	29	50166	Information and Technology Data Science and Engineering
Patent	Tree Root Detection method for Safe Environment	18/08/2023	Manipal University Jaipur Jaipur	Published	202311055468	15/09/2023	37	60873	Information and Technology Information and Technology
Patent	Criminal Hidden W eapons Detection and TrackingSystem for Home Security	13/10/2023	Manipal University Jaipur Jaipur	Published	202311069094	24/11/2023	47	78070	Information and Technology Data Science and Engineering Information and Technology
Patent	SMART AUTOMATIC IRONING SYSTEM	23/09/2020	MUJ Jaipur	Published	202011041142	07/05/2021	19/2021	22318	Computer&Communicati on Enginee Computer&Communicati on Enginee Information Technology Computer&Communicati on Engineering Computer Science & Engineering

1						I					Information Technology
											Computer and
Patent	PEOPLE COUNTING DEVICE	06/09/2023	Manipal University	Applied	202311060355						communication Eng
			Jaipur Jaipur								Computer&Communicati
								1			on Enginee
	A DEVICE FOR AUTOMATED DISTANCE-BASED		Manipal University								Computer and
Patent	FARE COLLECTION FOR PUBLIC TRANSIT	08/09/2023	Jaipur Jaipur	Applied	202311060360						communication Eng
	FARE COLLECTION FOR PUBLIC TRANSIT		Jaipur Jaipur								Computer&Communicati
								+			on Enginee Computer and
			Manipal University								computer and communication Eng
Patent	SMART BOOK HOLDER	29/12/2023	Jaipur Jaipur	Applied	202311089804						Computer&Communicati
			Jaipui Jaipui								on Enginee
											Computer and
											communication Eng
											Computer&Communicati
			Manipal University								on Enginee
Patent	SMART ATTENDANCE SYSTEM	08/09/2023	Jaipur Jaipur	Published	202311060429	06/10/2023	40/2023	66352			Computer&Communicati
			odipai odipai								on Enginee
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											Computer and
											communication Eng
			Manipal University								Computer&Communicati
Patent	PEOPLE COUNTING DEVICE	06/09/2023	Jaipur Jaipur	Published	202311060355	06/10/2023	40/2023	66306			on Enginee
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											Computer and
											communication Eng
											Computer&Communicati
D-44	A DEVICE FOR AUTOMATED DISTANCE-BASED	08/09/2023	Manipal University	A	202311060360						on Enginee
Patent	FARE COLLECTION FOR PUBLIC TRANSIT	08/09/2023	Jaipur Jaipur	Applied	202311060360						Computer&Communicati
											on Enginee
											Computer&Communicati
											on Enginee
	Machine Learning Based Approaches for Fully Automatic		Manipal University								Computer and
Patent	Smart Greenhouse	19/10/2023	Jaipur/ SUNIL	Published	202311071727	24/11/2023	47/2023	78247			communication Eng
1 atoni	Using IoT Devices	13/10/2020	KUMAR Jaipur	rubiisiieu	202011071727	24/11/2020	41/2020	70247			Computer and
	Comig for Dovices		rtow it toupui								communication Eng
											Computer Science &
Patent	SMART FARMING SYSTEM	31/03/2020	Manipal University	Published	202011014160	08/10/2021	41	46581			Engineering
1 dtont	CIVIN II CO TO TEIN	01/00/2020	Jaipur Jaipur	i abilolica	202011014100	00/10/2021	"'	10001			Computer&Communicati
											on Enginee
											Computer Science &
	PRESERVING VILLAGES/ LOW-LYING AREAS OF										Engineering
Patent	TERRAINS FROM ANIMAL ATTACKS: ECONOMICAL	07/07/2021	Manipal University	Grant	2021104104	13/07/2021	35/32	6432	25/08/2021	2021104104	Computer&Communicati
	SENSORS BASED SYSTEM		Jaipur Jaipur								on Enginee
											Mathematics& Statistics
											Computer Science
	A quotom for entimized placement of virtual machines in		Manipal I Initiareit								Engineering
Patent	A system for optimized placement of virtual machines in	07/11/2023	Manipal University	Published	202311075884	12/01/2023	48	83570			Computer Science
	cloud		Jaipur Jaipur								Engineering
											Computer Science
-	1		M					+		-	Engineering
Patent	A novel process for Enhancing Green Financing by Indian	16/11/2023	Manipal University	Published	202311077860	05/01/2024	01/2024	64			Commerce
	Banks for Achieving SDGs		Jaipur Jaipur								Commerce
			1								Electronics&Communica
Patent	TECHNIQUES FOR SMART MOBILITY IN WIRELESS	16/10/2023	Manipal University	Duhlishad	202311070067	24/11/2023	47/2023	78101		1	tion Engi

i atoni	SENSOR NETWORKS	10/10/2020	Jaipur Jaipur	Fubilioned	202011070007	27/11/2020	71/2020	70101			Electronics&Communica
											tion Engi
1 5	BUILDING IDEA OFNEDATION BUILDEDING	00/44/0000	Manipal University	B. 1.15.1	000044070400	00/40/0000	40/0000	05000			Commerce
Patent	BUSINESS IDEA GENERATION BLUEPRINT	09/11/2023	Jaipur Jaipur	Published	202311076480	08/12/2023	49/2023	85923			Business Administration
											Business Administration
Patent	Voice operated Smart Plug using TinyML and the Internet	29/12/2023	Manipal University	Applied	202311089639						Computer Applications
1 dtone	of Things	20/12/2020	Jaipur Jaipur	Арриса	202011000000						Computer Applications
Patent	A Smart Jacket for Real-Time Fall Detection and Activity	29/12/2023	Manipal University	Applied	202311089634						Computer Applications
Faleni	Recognition	29/12/2023	Jaipur Jaipur	Applied	202311009034						Computer Applications
											Computer and
											communication Eng
Patent	IOT BASED LAB COMPONENT ISSUE/SUBMIT	02/11/2023	Manipal University	Applied	202311074634						Computer&Communicati
I dioni	RECORD KEEPING SYSTEM	02/11/2020	Jaipur Jaipur	дррнец	202011014004						on Enginee
											Computer&Communicati
			<u> </u>								on Enginee
Patent	A Cognitively-Tuned Executive Decision Support method	08/12/2023	Manipal University	Applied	202311083792						Computer Applications
	for creating strategic success		Jaipur Jaipur	•••							<u> </u>
Datast	A Paradigm and Method for Adaptive Multimedia-Based	16/11/2023	Manipal University	Applied	202311077879						Computer Applications
Patent	Learning Enhancement and Cognitive Development	10/11/2023	Jaipur Jaipur	Applied	202311077679						Computer Applications
											Computer&Communicati
_	METHOD FOR DEVELOPMENT OF PHYSICAL AND		Manipal University								on Enginee
Patent	MENTAL HEALTH MONITORING SYSTEM	10/12/2021	Jaipur Jaipur	Published	202111057435	17/12/2021	51/2021	62239			Computer Science &
											Engineering
	ANTICORROSIVE HYBRID										Chemistry
	COMPOSITE AND ITS METHOD		Manipal University								Chemical Engineering
Patent	OF PREPARATION THEREOF	14/11/2022	Jaipur Jaipur	Published	202211065181	25/11/2022	47/2022	74062			Gileilinean Eiligilineaning
	AND ITS COATINGS ON STEEL		V V V								Chemical Engineering
											Chemistry
											Department of
Patent	A NOVEL METHOD TO ENHANCE ANTICORROSIVE	22/08/2023	Manipal University	Published	202311056356A	22/09/2023	38/2023	62751			
ratent	PROPERTIES ON MILD STEEL	22/00/2023	Jaipur Jaipur	rubiisiieu	202311030330A	22/03/2023	30/2023	02731			Biotechnology an Department of
											Biotechnology an
											Computer and
1	A SECURE SYSTEM AND METHOD FOR IMAGE	40/05/0000	Manipal University			00/07/0000		407 400	00/00/0000	0000/00400	communication Eng
Patent	STEGANOGRAPHY USING MACHINE LEARNING AND	19/05/2022	Jaipur Jaipur	Grant	08189	22/07/2022	09	497-498	28/09/2022	2022/08189	Computer&Communicati
	GENETIC ALGORITHM										on Enginee
	A METHOD AND SYSTEM FOR PROVIDING										Electrical Engineering
Patent	ELECTRIC VEHICLE CHARGER AT CUSTOMERS	18/02/2021	MUJ Jaipur	Applied	202111006857						Electrical Engineering
	LOCATION		'								Electrical Engineering
											Information Technology
											Computer Science &
Patent	SPEECH SIGNAL FEATURE EXTRACTION AND	13/07/2021	Manipal University	Grant	2021104103	12/08/2021	35/32		25/08/2021	2021104103	Engineering
	FREQUENCY ANALYSIS FOR CLASSIFICATION	10/01/2021	Jaipur Jaipur		2021101100	12,00,2021	00/02		20/00/2021	2021101100	Information Technology
											Information Technology
			Manipal University								Information and
Patent	Translation Model for Sign Language Dialects in India	23/06/2022	Jaipur Jaipur	Grant	202206980	01/08/2022	08	633	31/08/2022	2022/06980	Technology
			V V								Computer Science &
											Engineering
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Patent	METHOD FOR TRANSMITTING STREAM OF DATA	28/00/2021	Manipal University	Published	202111043008	15/10/2021	42/2021	47867		1	Information Technology

I awa	PACKETS SECURELY OVER THE NETWORK	2010012021	Jaipur Jaipur	Fubilisticu	202111070000	10/10/2021	74/4041	7,00,		I	Computer Science &
			V V V								Engineering
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Detent	NOVEL IOT BASED SOLUTION FOR GARBAGE LEVEL	45/00/0000	Manipal University	C	000000040	04/00/0000	8	589	24/00/2022	0000/00040	Information and
Patent	DETECTION	15/06/2022	Jaipur Jaipur	Grant	202206618	01/08/2022	8	589	31/08/2022	2022/06618	Technology
											Information and
											Technology
Patent	Emotion Classification on Small Dataset using GAN-	22/08/2023	Manipal University	Published	202311056151	22/09/2023	38/2023	62716			Computer Science
i atent	BERT and BERT	22/00/2020	Jaipur Jaipur	Fublished	202311030131	22/03/2023	30/2023	02710			Engineering
											Computer Science
											Engineering
											Information and
											Technology
Patent	APPROACH TO SER USING CNN ON SPECTROGRAM	22/08/2023	Manipal University	Published	202311056150	22/09/2023	38/2023	62715			Computer Science
I dioni	AND MFCC IMAGES	22/00/2020	Jaipur Jaipur	i ubiisiicu	202011000100	22/00/2020	00/2020	02710			Engineering
											Computer Science
											Engineering
											Information and
											Technology
Patent	BRAIN TUMOUR DETECTION USING DEEP LEARNING	22/08/2023	Manipal University	Published	202311056152	22/09/2023	38/2023	62738			Computer Science
			Jaipur Jaipur								Engineering
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	DATIENT'S CONDITION CATEGORIZATION HOING		Maninal Hairrania.								Technology
Patent	PATIENT'S CONDITION CATEGORIZATION USING DRUG REVIEWS	19/10/2023	Manipal University	Published	202311071193	24/11/2023	47/2023	78219			Computer Science
	DRUG REVIEWS		Jaipur Jaipur								Engineering
											Computer Science
											Engineering
	SOLAR AIR HEATER COMPRISING V-SHAPED		Manipal University								
Patent	RIB ROUGHENED ABSORBER PLATE AND	14/11/2023		Published	202311077578	05/01/2024	01/2024	57			Mechanical Engineering
	SUSPENDED CYLINDERS		Jaipur Jaipur								
								+			Information and
											Technology
	Single-Channel Multiple Source Separation using Audio		Manipal University								recrinology
Patent	Sentiment Analysis: ASA	25/09/2023	Jaipur Jaipur	Published	202311064172	13/10/2023	41/2023	70052			Mathematics& Statistics
	Sentiment Analysis. ASA		Jaipui Jaipui								Information and
											Technology
											Information and
											Technology
	BE A BETTER WAY OF TRACKING FOOD, BOOK,		Manipal University								Information and
Patent	CLOTHES, UNUSED ITEMS, TOYS PRODUCTS THAT	25/08/2023	Jaipur Jaipur	Published	202311056972	29/09/2023	39/2023	64352			Technology
	HAVE BEEN DONATED AND DISPOSED OF ITEMS		odipai odipai								Information and
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1 5	VOICE ENABLED DECENTATION ACCUSTANCE (CITED IN	00/46/2222	Manipal University	5.1	000044004400	40/46/2222	44/0000	70.00			Information and
Patent	VOICE ENABLED PRESENTATION ASSISTANT (VEPA)	30/10/2023	Jaipur Jaipur	Published	202311061193	13/10/2023	41/2023	70192			Technology
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										1	Mathematics& Statistics
											Mechanical Engineering
Patent	Vibration Capturing System For Cold Rolling Mills	25/09/2023	Manipal University	Published	202311064111	13/10/2023	41/2023	70042			Mechanical Engineering
i ateni	Vibration Capturing System For Cold Noming Willis	23/09/2023	Jaipur Jaipur	Fublished	202311004111	13/10/2023	41/2023	70042			Mechanical Engineering
											Mechanical Engineering
Patent	Non-Motorized Mastoid Massage Tool	23/11/2023	Manipal University Jaipur Jaipur	Published	202311079480	29/12/2023	52/2023	94208			Mechanical Engineering
_	A SYSTEM FOR MULTIFUNCTIONALEDUCATIONAL		Manipal University								Information Technology
Patent	AND ACTIVITY IMITATING TOY	29/07/2023	Jaipur Jaipur	Published	202311051179	01/09/2023					Information and
								+			Technology Information Technology
											Information Technology
											Information Technology
											Information Technology
Patent	A Generic Self Triggered Triple Layered Model to Mitigate Spread of Infectious Disease	18/12/2021	Manipal University Jaipur Jaipur	Published	202111059132	31/12/2021	53/2021	64753			Computer Science &
	Spread of filectious disease		Jaipui Jaipui								Engineering
											Computer&Communicati on Enginee
											Computer Science &
											Engineering
											Data Science and
											Engineering Computer and
											communication
			Manipal University	_							Engineering
Patent	ANDROID BASED IOT ENABLED SMART MASK	27/05/2022	Jaipur Jaipur	Grant	202205880	29/06/2022	55/06	32	28/09/2022	2022/05880	Computer and communication
											Engineering
											Computer Science and
											Engineering Business Administration
								<u> </u>		+	Data Science and
Patent	MULTIUSER INTELLIGENT DESK SYSTEM WITHSOLAR ENERGY AND SMART	14/08/2023	Manipal University	Published	202311054669	08/09/2023					Engineering
ratent	SENSORINTEGRATION	14/00/2023	Jaipur Jaipur	Fublished	202311034009	00/09/2023					Information and
								+		+	Technology Data Science and
Patent	An intelligent multi-user table system with solar energy and integrated intelligent	12/09/2023	Manipal University	Grant	2023091209141300DE	10/10/2023			10/10/2023	202023105249	Facinoscina
ratent	sensors	12/09/2023	Jaipur Jaipur	Grant	2023091209141300DE	10/10/2023			10/10/2023	202023103249	Information and
											Technology Data Science and
Patent	A system for a multifunctional educational and activity	12/09/2023	Manipal University	Grant	2023091209142400DE	12/10/2023			12/10/2023	202023105250	Engineering
Faterit	imitating toy	12/09/2023	Jaipur Jaipur	Grant	2023091209142400DE	12/10/2023			12/10/2023	202023103230	Information and
	Massage shoes with multiple customized modes for foot		Manipal University					1		+	Technology Data Science and
Patent	wellness	12/10/2023	Jaipur Jaipur	Published	202311068576	03/11/2023	44/2023	75666			Engineering
											Civil Engineering
Patent	Waste ceramic reinforced bicomposite tiles	12/02/2019	Manipal University	Grant	201911005558	21/02/2020			30/11/2023	475359	Mechanical Engineering
	Tracto con anno remiereca presimposite ance	12,02,2010	Jaipur Jaipur	0.4	20101100000	21/02/2020			00/11/2020		Mechanical Engineering
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Patent	IoT Based Smart Water Consumption and Billing Management through Cloud Platform for Residential	18/08/2021	Manipal University	Grant	2021105879	02/12/2021	35/48	9344	17/11/2021	2021105879	Engineering
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Patent AMETHOD FOR SYNTHESIS OF GAMMA IRON OXIDE NANO-PARTICLES USING NANO-SEDIMENTATION 08/11/2022 Manipal University Jaipur Jaipur Published 202211063668 18/11/2022 46/2022 72/491 Electroia El	ineering Engineering &Communican in Engi al Engineering Engineering &Communican in Engi al Engineering al Engineering can Engi al Engineering al Enginee &Communicati Enginee &Communicati
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Patent FUNCTIONAL CLOTHING FOR PARAPLEGIC PERSON: A COMFORTABLE WEARABILITY WITH PERSONAL NEED SOLUTION O5/10/2023 Manipal University Jaipur Jaipur Published 202311086678 20/10/2023 42/2023 72254 Electrical Engine Electrical	n Engi al Engineering or Science & ineering &Communicati Enginee &Communicati Enginee &Communicati Enginee
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Patent	Thermal Energy Storage	01/11/2021	Jaipur Jaipur	Published	202111050005	09/12/2022	49/2022	77497			Mechanical Engineering Mechanical Engineering
Patent	Energy storage based Solar Kadhai	28/11/2023	Manipal University Jaipur Jaipur	Published	202311080601	29/12/2023	52/2023	94295			Mechanical Engineering
Patent	Content Based Video Ranking	07/12/2020	Manipal University Jaipur Jaipur	Published	202011053220	08/01/2021	02/2021	1305			Information Technology Information Technology Computer Science & Engineering Computer & Communicati on Enginee
Patent	Content Based Video Ranking	24/11/2021	Manipal University Jaipur Jaipur	Grant	2021105538	11/11/2021	35 / 45	8767	27/10/2021	2021105538	Information Technology Information Technology Computer Science & Engineering Computer & Communicati on Enginee
Patent	A SYSTEM FOR LINK PREDICTION AND NODE CLASSIFICATION IN SOCIAL NETWORKS USING GA- GCN	30/07/2023	Manipal University Jaipur Jaipur	Published	202311051224A	01/09/2023	35/2023	55876			Information and Technology Information and Technology
Patent	BRAIN TUMOUR DETECTION USING GENERATIVE ADVERSARIAL NETWORK AND CONVOLUTIONAL NEURAL NETWORK	31/10/2023	Manipal University Jaipur Jaipur	Published	202311074019	22/12/2023	51/2023	91290			Information and Technology Computer Science Engineering
Patent	SOIL COMPOSITION AND METHOD OF	06/10/2021	Manipal University Jaipur Jaipur	Published	202111045593	26/11/2021	48/2021	56043			Civil Engineering
Patent	Preparation of wearing course in bitumen roads employing cecabase emulsified warm mix asphalt	11/12/2023	Manipal University Jaipur Jaipur	Published	202311084239	12/01/2024	02/2024	2833			Civil Engineering
Patent	Engine Oil Life Monitoring System	23/11/2023	Manipal University Jaipur Jaipur	Published	202311079479	29/12/2023	52/2023	94200			Mechanical Engineering Automobile Engineering Automobile Engineering Automobile Engineering Automobile Engineering
Patent	Paper bowl	22/08/2023	Manipal University Jaipur Jaipur	Published	202311056082	22/09/2023	38	62681			Architecture Interior Designing
Patent	A MACHINE LEARNING BASED SYSTEM FOR CONTROLLING AND MONITORING POWER GRID AND METHOD THEREOF	18/12/2021	Manipal University Jaipur Jaipur	Published	202111059204	31/12/2021	53/2021	64761			Information Technology Computer&Communicati on Enginee Information Technology Computer&Communicati on Enginee
Patent	A system for controlling LASER marking through machine learning and method thereof.	18/12/2021	Manipal University Jaipur Jaipur	Published	202111059203	31/12/2021	53/2021	64760			Information Technology Computer&Communicati on Enginee Information Technology Computer&Communicati on Enginee Computer Applications Computer Applications
Patent	AN OPTIMIZED GATE METAL VARIANT STRUCTURES FOR ENHANCEMENT OF GRADEDCHANNEL-GATE- STACK-DOUBLE-GATE MOSFETS SWITCHING/ANALOG PERFORMANCE	20/10/2023	Manipal University Jaipur Jaipur	Published	202311071654	24/11/2023	47/2023	78233			Electronics&Communica tion Engi Electronics&Communica tion Engi
Patent	Opposition Based Bat Algorithm for Optimal Design of Fourth-order Butterworth Low-pass Active Filter	29/12/2023	Manipal University Jaipur Jaipur	Applied	202311089691						Electronics&Communica tion Engi

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Patent	Detection Of Autism Spectrum Disorder (ASD) Using Machine Learning & Deep Learning	21/06/2022	Manipal University Jaipur Jaipur	Published	202211035422	01/07/2022	26/2022	41217			Computer Science and Engineering Computer Science and Engineering
Patent	System For Predicting Lumpy Skin Disease In Cattle	20/10/2023	Manipal University Jaipur Jaipur	Published	202311071608	24/11/2023	47/2023	78283			Computer Science Engineering Computer Science Engineering
Patent	Multipurpose Kick Scooter	01/01/2023	Manipal University Jaipur Jaipur	Published	202311000012	06/01/2023	01/2023	348			Automobile Engineering Mechatronics Engineering
Patent	A WIRE COATING COMPOSITION FOR ELECTRICAL VEHICLE	12/10/2023	Manipal University Jaipur Jaipur	Published	202311068506	27/10/2023	43/2023	74320			Mechanical Engineering
Patent	NATURAL FIBER-REINFORCED POLYOLEFIN COMPOSITE ANDPREPARATION METHOD THEREOF	12/10/2023	Manipal University Jaipur Jaipur	Published	202311068507	27/10/2023	43/2023	74319			Mechanical Engineering
Patent	NANO HYBRID METAL MATRIX COMPOSITE	28/06/2023	Manipal University Jaipur Jaipur	Published	202311043298	21/07/2023	29/2023	50152			Mechatronics Engineering Mechanical Engineering Mechanical Engineering
Patent	QUICK RETURN MECHANISM FOR SHAPER MACHINES	19/10/2023	Manipal University Jaipur Jaipur	Published	202311071604	24/11/2023	47/2023	78269			Mechatronics Engineering Mechanical Engineering Automobile Engineering Automobile Engineering
Patent	DATAASSIST: A PERSONALIZED ASSISTANT- STIMULATED AI SYSTEM FOR SPEECH, TEXT AND BACKEND	29/08/2021	Manipal University Jaipur Jaipur	Published	202111039104	10/09/2021	37/2021	41171			Information Technology Information Technology Computer Science & Engineering Information Technology Information Technology Computer Science & Engineering
Patent	UNSUPERVISED VIDEO SUMMARIZATION USING RESNET AND BIDIRECTIONAL LSTM	08/08/2021	Manipal University Jaipur Jaipur	Grant	2021105102	13/04/2022	36/17	2505	13/04/2022	2021105102	Computer Science and Engineering
Patent	AN AI BASED SYSTEM FOR RECEIVING FEEDBACK OF A READER IN ONLINE READING AND METHOD THEROF	30/12/2021	Manipal University Jaipur Jaipur	Published	202111061660	07/01/2022	01/2022	68			Information and Technology Information and Technology Information and Technology Information and Technology Computer and communication Engineering Computer and communication Engineering Information and Technology

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Patent	AN AUTOMATED PRECISION IRRIGATION SYSTEM BASED ON PLANT-SPECIFIC NEEDS	30/11/2023	Manipal University Jaipur Jaipur	Published	202311081248	29/12/2023	52/2023	94438			Information and Technology
Patent	Osteoconductive Chain Silicate Bioceramic for Bone Tissue Engineering	07/04/2019	Manipal University Jaipur Jaipur	Published	201911013971	15/05/2020	20/2020	18772			Mechanical Engineering Mechanical Engineering Mechanical Engineering
Patent	PORTABLE THREEWAY COMPATIBLE SOLAR TRACKER SYSTEM	02/11/2018	Manipal University Jaipur Jaipur,nil nil	Published	201821041506	25/12/2020	52/2020	63393			Electrical Engineering Electrical Engineering Electrical Engineering
Patent	Self-Cleaning Solar PV Sliding System	29/10/2021	Manipal University Jaipur Jaipur	Published	202111049560	12/11/2021	46/2021`	53530			Electrical Engineering
Patent	Smart Courier Collecting Box	22/08/2023	Manipal University Jaipur Jaipur	Published	202311056090	22/09/2023	38/2023	62693			Electrical Engineering
Patent	VOICE CONTROLLED PANIPURI SERVING MACHINE	25/10/2023	Manipal University Jaipur Jaipur	Published	202311072504	24/11/2023	47/2023	77264			Electrical Engineering
Patent	WIRELESS DATA ACQUISITION SYSTEM FOR PHOTOVOLTAIC SYSTEM	25/10/2023	Manipal University Jaipur Jaipur	Published	202311072506	24/11/2023	47/2023	78321			Electrical Engineering
Patent	IOT BASED SOLAR PV CLEANING & HAILSTORM PROTECTIVE SYSTEM	25/10/2023	Manipal University Jaipur Jaipur	Published	202311072498	17/11/2023	46/2023	77264			Electrical Engineering
Patent	A Method For Predicting Personality Of Users And An Apparatus	13/09/2023	Manipal University Jaipur Jaipur	Published	202311061730	15/10/2023	41/2023	69775			Information and Technology Data Science and Engineering
Patent	Smart LPG Cylinder Level Sensor for Predictive Empty Status Identification	04/12/2023	Manipal University Jaipur Jaipur	Applied	202311082339						Computer Science Engineering Data Science and Engineering Artificial Intelligence and Ma
Patent	ADAPTIVE CENTRE TABLE FOR EFFECTIVE SPACE UTILIZATION	15/12/2023	ıvıanıpar oniversity Jaipur Jaipur,Ar. Anushri Gaur	Applied	202311085990						Interior Designing Fine Arts
Patent	COUNTERS FOR LAMPSHADES IN	04/10/2023	Manipal University Jaipur Jaipur	Published	202311066373	20/10/2023	42/2023	72217			Interior Designing
Patent	A CONTAINER LIFTING SYSTEM	23/05/2019	MUJ Jaipur	Grant	201911020418	25/12/2020	52/22	63291	27/12/2023	489628	Interior Designing Architecture
Patent	A DOG WALKING ACCESSORIES	17/08/2023	Manipal University Jaipur Jaipur	Published	202311055162	15/09/2023	37/2023	60837			Interior Designing Fashion Designing
Patent	A System and a Method for E-Commerce Epidemic Models	15/07/2021	Manipal University Jaipur Jaipur	Grant	2021104529	19/08/2021	35/33	6663	13/04/2022	2021104529	Computer Science and Engineering Computer Science and Engineering Mathematics& Statistics
Patent	TRANSISTOR SIZING EFFECT ON NOISE MARGIN ENLARGEMENT OF TERNARY LOGIC	02/11/2023	Manipal University Jaipur Jaipur	Published	202311074734	24/11/2023	47/2023	78480			Electronics&Communica tion Engi Electronics&Communica tion Engi
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Patent	Sign Language Translator	13/12/2021	Manipal University Jaipur Jaipur	Grant	202110309	30/03/2022	March 2022	433	30/03/2022	2021/10309	Information and Technology Information and Technology Languages Information and Technology Information and Technology Computer Science and Engineering
Patent	A SURVEILLANCE SYSTEM FOR TRACKING AND COUNTING PEOPLE AND ENTITIES	16/03/2022	Manipal University Jaipur Jaipur	Applied	202203078						Data Science and Engineering
Patent	A METHOD FOR EXPLORATORY DATA ANALYSIS AND ENSEMBLE LEARNING BASED CLASSIFICATION OF UNSW-NB15 DATASET	14/06/2022	Manipal University Jaipur Jaipur	Grant	202206564	09/09/2022	VOL 55 No. 09	428-429	28/09/2022	2022/06564	Data Science and Engineering Information and Technology
Patent	A TRACKER SYSTEM FOR IDENTIFYING ENTITIES	16/08/2023	Manipal University Jaipur Jaipur	Published	202311054820	15/09/2023	37/2023	60744			Data Science and Engineering Information and Technology
Patent	A TRACKER SYSTEM FOR IDENTIFYING ENTITIES	16/10/2023	Manipal University Jaipur Jaipur	Applied	2023101614372700DE						Data Science and Engineering Information and Technology
Patent	Secure Remote Communication Using Encryption Algorithms	29/11/2023	Manipal University Jaipur Jaipur	Published	202311080882	29/12/2023	52/2023	94323			Data Science and Engineering
Patent	Low Cost IoT Enabled Anti-Theft Device for Two Wheeled Vehicles	09/03/2022	Manipal University Jaipur Jaipur	Grant	02843	29/06/2022	55/06/2022	364-365	29/06/2022	2022/02843	Mechatronics Engineering Mechatronics Engineering Mechatronics Engineering Mechanical Engineering
Patent	A SUSTAINABLE APPROACH TO WASTE MANAGEMENT: THE AUTONOMOUS TRASHCOLLECTING ROBOT DESIGN USING YOLOV4-TINY	23/08/2023	Manipal University Jaipur Jaipur	Published	202311056433	22/09/2023	38/2023	62742			Mechatronics Engineering Automobile Engineering Automobile Engineering
Patent	SMART HANDKERCHIEF DISPENSING CHEST	20/09/2023	Manipal University Jaipur Jaipur	Published	202311063044	13/10/2023	41/2023	69965			Mechatronics Engineering Mechanical Engineering Fashion Designing
Patent	TO DEVLOP A RATING SYSTEM FOR SUSTAINABLE CLOTHING	20/10/2023	Manipal University Jaipur Jaipur	Published	202311071907	24/11/2023					Fashion Designing Architecture