



## MANIPAL UNIVERSITY JAIPUR

SCHOOL OF INFORMATION TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

### JOURNALS

S.No	Title of paper (Must match exactly with the published title)	Name of the author	Name of journal
1	CLASSIFICATION OF INDIAN CLASSICAL MUSIC WITH TIMESERIES MATCHING USING DEEP LEARNING	Dr. Akhilesh Kumar Sharma	IEEE Access
2	EFFICIENT AUTOMATED DISEASE DIAGNOSIS USING MACHINE LEARNING MODELS	Dr. Nripendra Narayan Das	Journal of Healthcare Engineering
3	AN OPTIMAL INTRUSION DETECTION SYSTEM USING RECURSIVE FEATURE ELIMINATION AND ENSEMBLE OF CLASSIFIERS	Ms. Neha V Sharma	Microprocessors and Microsystems
4	PROPAGATION ANALYSIS OF COVID19: AN SIR MODELBASED INVESTIGATION OF THE PANDEMIC	Mr. Rahul Saxena	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING
5	A SURVEY ON VARIOUS DEEP LEARNING MODELS FOR AUTOMATIC IMAGE CAPTIONING	Dr. Pratistha Mathur	Journal of Physics: Conference Series
6	PHONOCARDIOGRAM SIGNAL BASED MULTICLASS CARDIAC DIAGNOSTIC DECISION SUPPORT SYSTEM	Dr. Akhilesh Kumar Sharma	IEEE Access
7	PREVENTION OF ROAD ACCIDENTS DUE TO DROWSINESS DETECTION USING PERCLOS ALGORITHM	Dr. Devesh Kumar Srivastava	Journal of Discrete Mathematical Sciences and Cryptography
8	DISSECTING WORD EMBEDDINGS AND LANGUAGE MODELS IN NATURAL LANGUAGE PROCESSING	Dr. Vivek Kumar Verma	Journal of Discrete Mathematical Sciences and Cryptography
9	LICCA: A LIGHTWEIGHT IMAGE CIPHER USING 3D CELLULAR AUTOMATA	Mr. Krishna Kumar	Nonlinear Dynamics

10	DNN BASED APPROACH TO CLASSIFY COVID'19 USING CONVOLUTIONAL NEURAL NETWORK AND TRANSFER LEARNING	Dr Akhilesh Kumar Sharma	International Journal of Computers and Applications
11	WBCPI: WEATHER BASED CROP PREDICTION IN INDIA USING BIG DATA ANALYTICS	Dr Akhilesh Kumar Sharma	IEEE Access
12	HETEROGENEOUS INFLUENCE MAXIMIZATION THROUGH COMMUNITY DETECTION IN SOCIAL NETWORKS	Dr Devi Prasad Sharma	International Journal of Ambient Computing and Intelligence
13	VIDEO BASED HUMAN CROWD ANALYSIS USING MACHINE LEARNING: A SURVEY	Mr Deevesh Choudhary	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization
14	BOTTOMBOOSTING DIFFERENTIAL EVOLUTION BASED DIGITAL IMAGE SECURITY ANALYSIS	Dr Nripendra Narayan Das	Journal of Information Security and Applications
15	NEW ALLOPTICAL REALIZATIONS OF MULTIPLEXER LOGIC USING MICRORING RESONATORS	Dr Devesh Kumar Srivastava	Brazilian Journal of Physics
16	CLASSIFICATION OF UNSWNB15 DATASET USING EXPLORATORY DATA ANALYSIS USING ENSEMBLE LEARNING	Dr Narendra Singh Yadav	EAI Endorsed Transactions on Industrial Networks and Intelligent Systems
17	A STUDY OF LIGHTWEIGHT APPROACHES TO ANALYZE CRIME CONDITIONS IN INDIA	Ms Bhavna Saini	Journal of Applied Security Research
18	A JOINT MEDICAL IMAGE COMPRESSION AND ENCRYPTION USING AMBTC AND HYBRID CHAOTIC SYSTEM	Ms Bhavna Saini	Journal of Discrete Mathematical Sciences and Cryptography
19	AI BASED AUTOMATIC DETECTION OF CITRUS FRUIT AND LEAVES DISEASES USING DEEP NEURAL NETWORK MODEL	Dr Devesh Kumar Srivastava	Journal of Discrete Mathematical Sciences and Cryptography
20	OPTIMIZATION OF SPREADING CODE USING MODIFIED DIFFERENTIAL EVOLUTION FOR WIRELESS COMMUNICATION	Dr Narendra Singh Yadav	Wireless Personal Communications

## PATENTS

S.NO.	Title	Investigator Name
1	A New Low Keystream Attack on the A5/1	Dr. Ashish Jain

2	EMOTION CLASSIFICATION IN HINGLISH SOCIAL MEDIA TEXT USING SUPERVISED MACHINE LEARNING ALGORITHM	Mr. Ankit Mundra
3	INTEROPERABILITY REQUIREMENTS BASED INTELLIGENT SYSTEM AND METHOD FOR VIRTUALIZED SERVICE ON A CLOUD INFRASTRUCTURE	Dr Devesh Kumar Srivastava
4	FAULT AWARE RESOURCE ALLOCATION OF CLOUD RESOURCES FIELD	Dr. Nirmal Kumar Gupta
5	Plant Identification System using Convolutional Neural Network	Dr. Pankaj Vyas
6	Sentiment Analysis In Social Media Hinglish Text Mining Using Deep Learning Algorithms	Mr. Ankit Mundra
7	Centralized Mini Pool Based Distributed Hybrid Novel Approach for Channel Assignment in Cellular Network	Dr. Prakash Chandra Sharma
8	Alarm Buzzer for Baby Fall Protector Bed	Mr. Deevesh Choudhary
9	SYSTEM AND METHOD FOR RESTORATION OF HAZY AERIAL IMAGES	Mr Krishna Kumar
10	SYSTEM AND METHOD FOR DETECTION OF UNMANNED AERIAL VEHICLE THROUGH NETWORK TRAFFIC ANALYSIS	Mr Krishna Kumar
11	METHOD AND SYSTEM FOR IDENTIFYING GEOGRAPHICAL ORIGIN BASED ON ACCENT OF VOICE AUDIOS	Dr. Sulabh Bansal
12	SMART AUTOMATIC IRONING SYSTEM	Dr. Narendra Singh Yadav
13	SPEECH SIGNAL FEATURE EXTRACTION AND FREQUENCY ANALYSIS FOR CLASSIFICATION	Dr. Vivek Kumar Verma
14	METHOD FOR TRANSMITTING STREAM OF DATA PACKETS SECURELY OVER THE NETWORK	Ms Vineeta Soni
15	A Generic Self Triggered Triple Layered Model to Mitigate Spread of Infectious Disease	Mr Deevesh Choudhary

16	SYSTEMS AND METHODS FOR A LIGHTWEIGHT IMAGE CIPHER USING 3-D CELLULAR AUTOMATA	Mr. Krishna Kumar
17	Content Based Video Ranking	Mr Rahul Saxena
18	A MACHINE LEARNING BASED SYSTEM FOR CONTROLLING AND MONITORING POWER GRID AND METHOD THEREOF	Mr Smaranika Mohapatra
19	A system for controlling LASER marking through machine learning and method thereof.	Mr Smaranika Mohapatra
20	DATAASSIST: A PERSONALIZED ASSISTANT-STIMULATED AI SYSTEM FOR SPEECH, TEXT AND BACKEND	Mr Venkatesh Gauri Shankar
21	UNSUPERVISED VIDEO SUMMARIZATION USING RESNET AND BIDIRECTIONAL LSTM	Mr. Vijay Prakash Sharma
22	AN AI BASED SYSTEM FOR RECEIVING FEEDBACK OF A READER IN ONLINE READING AND METHOD THEROF	Mr Vijay Prakash Sharma
23	A System and a Method for E-Commerce Epidemic Models	Ms. Bhavna Saini
24	Sign Language Translator	Ms Neha V Sharma
25	A SURVEILLANCE SYSTEM FOR TRACKING AND COUNTING PEOPLE AND ENTITIES	Ms Neha V Sharma

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S.NO.	Title	Investigator Name
1	MUJ ACM Student chapter Website	Dr. Akhilesh Kumar Sharma
2	LOGARITHMIC RATIO AND PRODUCT ESTIMATORS FOR POPULATION MEAN USING AUXILIARY ATTRIBUTE	Mr. Venkatesh Gauri Shankar

3	Seagull Sort : An Efficient Sorting Algorithm	Dr. Vivek Kumar Verma
4	ExaComp	Dr. Ashish Jain
5	SeqMat	Dr. Ashish Jain
6	SeqMap	Dr. Ashish Jain
7	Rosober: An obstacle removal software for Roman Script	Dr Vivek Kumar Verma
8	Decision Support System for Diabetes Prediction using Data Mining Technique	Dr Vivek Kumar Verma
9	GenuinePresence	Mr. Ankit Mundra
10	Automatic Research Analyst	Mr. Ankit Mundra
11	KIDSKNOWLEDGETESTER	Mr. Anurag Bhatnagar
12	OFFLINE_COLLAGE_MAKER	Mr. Anurag Bhatnagar
13	Infant_Vaccine_Reminder_Management_System	Mr. Anurag Bhatnagar
14	St Digital Book Market	Mr. Ankit Mundra
15	CORONA VIRUS OUTBREAK ANALYSIS AND PREDICTOR	Mr. Ravinder Kumar
16	CloudSafex pro	Dr. Prakash Chandra Sharma
17	Voice Accent Origin Identification Software	Dr. Sulabh Bansal
18	A CENTRALIZED "MINI-POOL" BASED DISTRIBUTED HYBRID NOVEL APPROACH FOR CHANNEL ASSIGNMENT IN CELLULAR NETWORK	Dr. Sulabh Bansal
19	SafEat	Dr. Narendra Singh Yadav
20	Securecrypt	Dr. Narendra Singh Yadav
21	Joint image compression and encryption for accuracy, reliability, and image quality in Telemedicine	Dr. Vivek Kumar Verma
22	SOFTWARE SOLUTION FOR PLANT LEAF DISEASE DETECTION AND CLASSIFICATION	Dr. Vivek Kumar Verma

23	A model for creating Systematic reviews	Ms. Vineeta Soni
24	Augmenting motion sensing to improve ordinary IP webcam feeds exploiting alpha compositing	Ms. Vineeta Soni
25	VGNBA	Ms. Vineeta Soni
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28	Agro-Farm Crop Analysis & Management	Mr Smaranika Mohapatra
29	AlgoPro: An encapsulated programming cum algorithmic model framework	Mr. Venkatesh Gauri Shankar
30	PM-Cloud: Distributed Healthcare Cloud Framework for Patient Monitoring	Mr. Venkatesh Gauri Shankar
31	Image based Automatic approach for Multiclass Skin Lesion Classification	Ms Bhavna Saini
32	AI-Desk: An automated AI framework inspired personal assistant model	Ms. Neha V Sharma
33	Speed Typing Test	Ms Neha V Sharma