

Columbia Institute of Engineering & Technology, Raipur

Patent & Book Detail

Faculty Name	S.No	Title	Patent Type
Dr.Gargishankar verma	1	Wireless lever Cancer Detector	Design
	2	Data Security and Privacy Challenges in AI and IoT Adoption in Pharma	Utility
	3	Deep Learning-based approaches for Suspicious Activity Recognition by Patterns of Walking Behavior	Utility
	4	Machine Learning Based biomedical Image Analysis Device for accurate detection of disesses -	Australian Patent
	5	Integration of IOT and Machine Learning Approaches for predicting soil moisture and weather with crop prediction to improve agriculture yields	Utility
Dr. Vinay Soni	1	Semi-Automatic Grater design for wax gourd (Rakhia)	Design
	2	Smart Predictive Maintenance system for condition monitoring of industrial machinery using comparative analysis	Utility
Dr.Gargishankar verma	1	Supervised Learning Algorithms – Classification and regression algorithm	Text Book ISBN : 978-81-19534-76-0
	2	Block chain and the Internet of Things (IoT) A Convergence of Technologies	Text Book ISBN: 978-81-19534-84-5
Dr. Vinay Soni	1	Development and Characterization of Microwave Sintered SiC Reinforced 3003 Aluminium Alloy'	Book Chapter International
Mr. Uday Kumar Rajak	1	ENERGY EFFICIENT HEAD NODE FOR UNDER WATER ACOUSTIC SEBSOR	DESIGN
	2	VEHICLE TRACKER	UTILITY

	3	IOT BASED SMART METERING FOR HOME AUTOMATION	UTILITY
Mrs. Sushree Mahapatra	1	ENERGY EFFICIENT HEAD NODE FOR UNDER WATER ACOUSTIC SEBSOR	DESIGN
	2	IOT BASED SMART METERING FOR HOME AUTOMATION	UTILITY
	3	SOLAR PV BASED OFF- GRID ENERGY FOR REMOTE	UTILITY
Mr.Manish Kumar Verma	1	Compact and Portable Boidiesel Reactor and Unique Mixing System	Design
Mr.Aditya Sharma	1	Compact and Portable Boidiesel Reactor and Unique Mixing System	Design
Ms.Nisha Dewangan	1	IOT BASED SMART METERING FOR HOME AUTOMATION	Utility

Paper Publication in SCI/ SCOPUS/UGC Journals

Faculty Name	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue	Journal Type
Dr. Gargishankar verma	Tomato Diseases Prediction Using Recurrent Network	IJRAR E-ISSN 2348-1269, P- ISSN 2349-5138	May 2019 Vol 6 Issue 2	UGC
	Fuzzy-Neuro Model for Brinjal Disease Recognition Using Image Processing	Neuro Quantology E- ISSN 13035150	September 2022 Vol 20 Issue 9	SCOPUS
Ms.Sarika Gamphoria	Effect of its Mechanical Properties on Concrete Mix were sand is Partially Replaced with Industrial Ash	Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865		SCOPUS
	Modern Construction Techniques on Concrete In Extreme Weather Conditions	Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865		
Ms.Barkha Soni	Experimental Analysis of Green Paver Block using Waste Material	Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865		

Paper Publication in Other Journals:

Faculty Name	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue
Dr.Gargishankar verma	LabView is utilised to capture snapshots from cameras and authenticate users with a secure graphical password using the DWT algorithm	ISSN: 2456-3315	Volume 8, Issue 7
	USING LBP AND HOG, A TRAFFIC SIGN DETECTION AND RECOGNITION SYSTEM	IRJMETS ISSN: 25825208	Volume 08 Issue 08 August 23
	System Using LBP HOG to Detect and Recognize Traffic Sign	JEITR ISSN: 23495162	Volume 10 Issue 09 August 23
	A Review on Network Intrusion Detection Using Machine Learning : Feature Selection Approach	IJARESM ISSN: 24556211	Volume 10 , Issue 6
	Video Based Face Recognition Approach Using Genetic Approach	IJCS ISSN:23486600	Volume 10 Issue 1 2022
	Genetic Approach for Video Based Face Recognition	IJARIIE ISSN: 23954396	Volume 8 Issue 2 2022
	A Machine Learning Approach For Detection of Diabetic Symptom on Human IRIS	IRJMETS ISSN: 25825208	Volume 04 Issue 03 2022

Dr.Gargisha nkar verma	Intrusion Detection System : A Systematic Review	IJARIE ISSN 2395-4396	Volume 07, Issue 04 2021
	MLP and RNN based Intrusion Detection System Using Machine Learning with Stochastic Optimization	IJSR ISSN : 23197064	Volume 10 Issue 12 2021
	Sign Language Recognition Framework Using Pattern Matching and Computer Vision : A Review	IJARIE ISSN 23954396	Volume 07, Issue 3 , 2021
	Sign Language Recognition System Using Machine Learning with Data Augmented Technique	IRJMETS ISSN 25825208	Volume 03, Issue 12 2021
	Fuzzy Model for Human face Expression Recognition	IJARSE ISSN: 23198354, 23198346	Volume 6 Special Issue 2 2017
	Web Mining Techniques and Preprocessing	IJARSE ISSN: 23198354, 23198346	Volume 6 Special Issue 2 2017
	Allotment of Cluster for different Nodes in Graph Computing	IJARSE ISSN: 23198354, 23198346	Volume 6 Special Issue 2 2017
Mr. Uday Kumar Rajak	LOW POWER CMOS CELL STRUCTURES BASED ON ADIABATIC SWITCHING	ICITTESE-17	06, SEP 2017
Mrs.Sushree Mahapatra	HYBRIDE ENERGY STORAGE SYSTEM FOE EV .	ICITTESE-17	06, SEP 2017

Mr.Manish Kumar Verma	Sensitization & Corrosion Behaviour of Austenitic Stainless Steel 304 & 316	ICITTESE-17	Volume No.06 Special IssueNo. (02)
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Conferences/ Seminar/Workshop/Webinar Attended

Faculty Name	Name of The conference	Title of Paper	Duration
Dr.Gargishankar verma	International Conference on Applied Computational Intelligence and Analytics	Performance Comparison of Ryu and Floodlight SDN Controller	26 th -27 th February 22
	ICEICE 2010	Sensor Data Mining	28 th -30 th March 2011
	All India Seminar on Advanced Communication Techniques and Networking: Exploring Challenges	Latest Technology for Broadband Communication	6 th -7 th Jan 2007
	National Conference on Software & Engineering Technologies	MANET	8 th -9 th Sep 2006
	All India Seminar on Advanced Communication Techniques and Networking : Exploring Challenges	Thinking About Firewalls	6 th -7 th Jan 2007
	A National Level Technical Conference Technovision 2007	Distributed Virtual Machine, A system Architecture for N/W Computing	26 th -27 th Oct 2007
	A National Conference in Emerging Technologies	Authentication of Face Automatically	13 th -14 th March 2009
	A National Conference in Emerging Technologies	Concept of Agent in Web Mining	13 th -14 th March 2009
	A National Conference in Emerging Technologies	Extraction of Features and its application to face recognition	13 th -14 th March 2009
	AICON'09	Authentication of Facial expression automatically	6 th – 8 th Feb 2019

WORKSHOP

Faculty Name	Name of The Workshop	Organized by	Duration
Dr.Gargishankar verma	DB2	CSVТУ, Bhilai	19 th -21 st Sep 2006
	Short Term Training Program on Pro Engineer	SSCET, Bhilai	19 th -23 th Dec 2005
	Research Tools and Methodology for Information Technology	RCET. Bhilai	7 th -8 th Nov 2009
	Teachers Training Program	CSVТУ, Bhilai	11 th -14 th July 2006

Project Guided in PG Level

Faculty Name	S.No	Title of Project
Dr.Gargishankar verma	1	Sign Language Recognition Framework Using Pattern Matching and Computer Vision
	2	Video Based Face Recognition Approach Using GENETIC Approach
	3	Detection and Recognition of Faces
	4	Implementation of Neural Network in optical Character Recognition
	5	Unknown Speaker Identification and Speech Reconstruction using MFCC and PLP (Matlab).
	6	Intrusion Detection for Network
	7	Face Detection Based on patterns
	8	Performance Analysis between AODV and DSR Routing Protocol
	9	Identification of Age and Gender using Classification Approach
	10	Image crypto system based on Biometric Template
	11	An implementation of Image to Text conversion

