

Publication Details School of Engineering

1. Research Publication in UGC/ SCOPUS/ WOS/ SCI/ SCIE/ ESCI/ SSCI/ or any other listed Journals

S. No	Name of Faculty	Title of Research Papers	Journal Name	Vol. /Issue	ISSN No.	Year of Publication	UGC/ SCOPUS/ WOS/ SCI/ SCIE/ ESCI/ SSCI/ or any other listed Journals
1	Dr. Randeep Singh (Professor)	Long Method and Long Parameter List Code Smells Detection using Functional and Semantic Characteristics	International Journal of Recent Technology and Engineering	8 (6)	pp 2223-2232	2020.	[Scopus]
2	Dr. Randeep Singh	A Framework to Improve Quality of a Java System by Performing Refactoring	International Journal of System of Systems Engineering	10 (4)	pp309-323	2020.	[Scopus]
3	Dr. Randeep Singh	A – Review on IoT-Assisted ECG Monitoring Framework for Health Care Applications	Fourth International Conference on Computational Intelligence and Communication Technologies (CCICT), IEEE, Sonipat			3 July 2021.	[Scopus]
4	Dr. Randeep Singh	A Research on biometric usage in Computer Science	International Journals of Multidisciplinary Research Academy	11(10)		2021.	[UGC Approved]
5	Dr. Randeep Singh	Review on Biometric Usage in the Computer Science	Infokara Journal	10(10)		2021.	[UGC Approved]
6	Dr. Randeep Singh	Ensemble Classification Approach for Email Spam Filtering	International Journals of Multidisciplinary Research Academy	11(9)		2021.	[UGC Approved]
7	Dr. Randeep Singh	Analysis of Various Email Spam Filtering Techniques	Infokara Journal	10(10)		2021.	[UGC Approved]
8	Dr. Randeep Singh	Machine learning based algorithms on health informatics	International Journals for Research in Engineering and Emerging TRends(IJREET)	Volume 5, Issue1	ISSN:2545-4523	December,2021	
9	Dr. Randeep Singh	Extreme Machine learning based algorithms on health informatics	International Journals for Research in Engineering and Emerging TRends(IJREET)	Volume 5, Issue1	ISSN:2545-4523	December,2021	
10	Dr. Randeep Singh	Analysis of network slicing for management of 5G	Wireless Communications		Article ID	2022	SCIE

		networks using machine learning techniques	and Mobile Computing,		9169568		
11	Dr. Randeep Singh	Smart Healthcare System with Light-Weighted Blockchain System and Deep Learning Techniques	Computational Intelligence and Neuroscience		Article ID 1621258	2022	SCIE
12	Dr. Randeep Singh	Software Engineering Paradigm for Real Time Accurate Decision Making for Code Smell Prioritization	Data Science and Innovations for Intelligent Systems: Computational Excellence and Society 5.0 (DSIIS: CES5.0),	1 st Edition		2021	[Scopus]
13	Dr. Randeep Singh	Improving Software Design by Mitigating Code Smells	International Journal of Software Innovation	10(1)	Article 2	2022	ESCI
14	Dr. Randeep Singh	A User Feedback Centric Approach for Detecting and Mitigating God Class Code Smell Using Frequent Usage Patterns	Journal of Communications Software and Systems.	15 (3)	pp 245-253	2019	[Scopus]
15	Dr. Randeep Singh	Role of Structural and Semantic Relations in Determining Coupling among Software Elements	International Journal of Performability Engineering,	Vol. 15(5)	pp 1279-1288	2019	[Scopus]
16	Dr. Randeep Singh	Reducing Maintenance Efforts of Developers by Prioritizing Different Code Smells	International Journal of Innovative Technology and Exploring Engineering	8 (8S3)	pp 139-144	2019	[Scopus]
17	Dr. Randeep Singh	Identifying various Code-Smells and Refactoring opportunities in Object-Oriented Software System: A systematic literature review	International Journal on Future Revolution in Computer Science & Communication Engineering	4 (3)	pp 62-74	2018	[UGC Approved]
18	Dr. Randeep Singh	To Improve Code Structure by Identifying Move Method Opportunities Using Frequent Usage Patterns in Source-Code	Advanced Informatics for Computing Research,	Vol. 955	pp 320-330	2018	[Scopus]
19	Dr. Randeep Singh	Wireless Sensor Network-Challenges & Possibilities	International Journal of Computer Applications	140 (2),		2016	
1	Ravinder Madhan	Forensic Network Traffic Analysis: an Overview	International Journal of Engineering, Pure and Applied Sciences	Vol. 6, No. 2		July-2021	International
2	Ravinder Madhan	A Research on biometric usage in Computer Science	International Journals of Multidisciplinary Research Academy	11(10)		2021.	[UGC Approved]
3	Ravinder Madhan	Review on Biometric Usage in the Computer Science	Infokara Journal	10(10)		2021.	[UGC Approved]

4	Ravinder Madhan	Ensemble Classification Approach for Email Spam Filtering	International Journals of Multidisciplinary Research Academy	11(9)		2021.	[UGC Approved]
5	Ravinder Madhan	Analysis of Various Email Spam Filtering Techniques	Infokara Journal	10(10)		2021.	[UGC Approved]
6	Ravinder Madhan	Machine learning based algorithms on health informatics	International Journals for Research in Engineering and Emerging TRends(IJREET)	Volume 5, Issue 1	ISSN:2545-4523	December, 2021	International
7	Ravinder Madhan	Extreme Machine learning based algorithms on health informatics	International Journals for Research in Engineering and Emerging TRends(IJREET)	Volume 5, Issue 1	ISSN:2545-4523	December, 2021	International
1	Mr. Aman Kumar	A Review on Face Recognition for Faster Processing Power.	International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE).	Vol-6, Issue-1	ISSN-2320-9801	2018	International
2	Mr. Aman Kumar	An Analytical Review on PEGASIS Protocol	International Journal of Advanced Computronics and Management Studies (IJACMS),	Vol-3, Issue-1	ISSN: 2456-1835.	2018	International
3	Mr. Aman Kumar	Artificial Intelligence Based Energy Efficient PEGASIS Routing Protocol in Wireless Sensor Network	International Journal of Advanced Computronics and Management Studies (IJACMS),	Vol-3, Issue-1	ISSN: 2456-1835.	2018	International
4	Mr. Aman Kumar	A Review on Document Clustering and its Importance on Sentiment Analysis and Opinion Mining	International Journal of Scientific & Engineering Research,	Vol-9, Issue-3	ISSN 2229-5518.	2018	International
5	Mr. Aman Kumar	A Novel Hybrid Approach on Document Clustering and its Importance on Sentiment Analysis and Opinion Mining	International Journal of Scientific & Engineering Research, March-2018,	Vol-9, Issue-3	ISSN 2229-5518.	March, 2018	International
6	Mr. Aman Kumar	Novel Approach of Tweet Sentiment analysis by intelligent optimization with Machine learning Approach	International Journal of Advance Research in Science and Engineering,	Vol-7, Issue-7	ISSN: 2319-8354.	2018	International
7	Mr. Aman Kumar	Routing Techniques of VANETs: A Review	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER RESEARCH AND NETWORKS,		ISSN: 2278-0658	2018	International

8	Mr. Aman Kumar	Tree-based Multicasting Technique for Vehicular Ad Hoc Networks	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER RESEARCH AND NETWORKS,		ISSN: 2278-0658.	2018	International
9	Mr. Aman Kumar	A Review on: Arrhythmia Classification Based on ECG Signal using LMA Classifier	International Journal of Advance Research, Ideas and Innovations in Technology,2018,	Vol-4, Issue-2	ISSN: 2454-132X	2018	International
10	Mr. Aman Kumar	Arrhythmia Classification Based on BFO with LMA Classifier	International Journal of Advance Research, Ideas and Innovations in Technology, March-April 2018,	Vol-4, Issue-2	ISSN: 2454-132X	Apr-18	International
11	Mr. Aman Kumar	Enrichment of Data Security by Amalgamation of Symmetric Encryption Algorithm	11th International Conference on Research in Science, Technology and Management	Vol-7, Issue-3	ISBN 978-93-87793-05-7	2018	Conference
12	Mr. Aman Kumar	Watermarking and Cryptography based Image Security Algorithms: A Survey	International Journal of Scientific research in Science, Engineering & Technology. (November 2017)	Vol-3, Issue-8	ISSN:2 319-8354	Nov-17	International
13	Mr. Aman Kumar	"VCS & Lifting Wavelet Scheme based Digital Image Security Technique	International Journal of Advance Research in Science & Engineering. (December 2017).	Vol-6, Issue-12	ISBN 978-93-86171-89-5	Dec-17	International
14	Mr. Aman Kumar	"Machine Learning Impact on Sentiment Analysis of Tweets: A Review" in IJARCCCE-	International Journal of Advance Research in Computer and Communication Engineering (2017).	Vol-6, Issue-12	ISSN: 2278-1021	2017	International
15	Mr. Aman Kumar	A Review on - An approach of misclassification detection & correction in optical Character Recognition	IJETTCS - International Journal of Emerging Trends & Technology in Computer Science (July 2015)			Jul-15	International
16	Mr. Aman Kumar	A review paper on: Heart disease data set analysis using data mining classification techniques	International Journal of Advance Research, Ideas and Innovations in Technology	Vol-5, Issue-4	ISSN: 2454-132X	2019	International
17	Mr. Aman Kumar	A Survey on Led Based Li-Fi, Visible Light Communication	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS (IJRAR) June 2019,	Vol-6, Issue-2	E-ISSN 2348-1269, P-ISSN 2349-5138	Jun-19	International




18	Mr. Aman Kumar	A Review paper of Well-Built Safety Measures for Distributed File System	International Journal of Research in Electronics and Computer Engineering	Vol-8, Issue-1	2348-2281	Mar-20	International
19	Mr. Aman Kumar	A Research Paper of Well-Developed Safekeeping Issues Implement with Analytic Approach in Distributed File System	International Journal of Engineering Research & Technology	Vol-9, Issue-6	2278-0181	Jun-20	International
20	Mr. Aman Kumar	A Review Paper on Pattern Recognition System and its Classification	International Journal of Research in Electronics and Computer Engineering	VOL. 8 Issue-1	P-ISSN: 2393-9028, E-ISSN: 2348-2281)	MAR 2020	International
1	Ms. Astha Gautam	Making Agronomy Smart and Precise by using IoT	International Journal of All Research Education and Scientific Methods	Volume 9, Issue 7	2455-6211	Jul-21	UGC
2	Ms. Astha Gautam	A study on deep learning algorithms with and without quantum computing	International Journal of Research in Electronics and Computer Engineering	Vol-8, Issue-2	2348-2281(ONLINE)	Jun-20	International
3	Ms. Astha Gautam	Improved underwater image enhancement using convolution of features with hybrid optimization approach	International Journal of Advance Research in Science and Engineering	Vol-8, Issue-7	2319-8354	Jul-19	International
4	Ms. Astha Gautam	Review on under Water Image Enhancement by Filtering and Optimization Approaches	International Journal of Research in Electronics and Computer Engineering	Vol-7, Issue-3	2348-2281 (ONLINE)	Jul-19	International
5	Ms. Astha Gautam	Review on Workflow Scheduling by Optimization Approach in Cloud Computing	International Journal of Research in Electronics and Computer Engineering	Vol-7, Issue-2	2348-2281 (ONLINE)	Jun-19	International
6	Ms. Astha Gautam	ICT in Education: Issues and Challenges	International Journal of Research in Engineering, Science and Management	Vol-2, Issue-3	2581-5792 (Online)	Mar-19	International
7	Ms. Astha Gautam	Securing Valued Data by using Encryption Algorithms with the help of Inference Engine and Knowledge Base	International Journal of Innovative Research in Science, Engineering and Technology	Vol-8, Issue-4	2319-8753 (Online)	Apr-19	International
8	Ms. Astha Gautam	Review on IDS Detection and Classification by Optimization of Features	International Journal of Research in Electronics and	Vol-7, Issue-3	2348-2281	Jul-19	International

			Computer Engineering		(ONLINE)		
9	Ms. Astha Gautam	Intrusion Detection Using Feature Selection by Optimization with Artificial Neural Network	International Journal of Advance Research in Science and Engineering	Vol-8, Issue-7	2319-8354	Jul-19	International
10	Ms. Astha Gautam	A Review on: Arrhythmia Classification Based on ECG Signal using LMA Classifier	International Journal of Advance Research, Ideas and Innovations in Technology	Vol-4, Issue-2	2454-132X	2018	International
11	Ms. Astha Gautam	Arrhythmia classification using ECG Signal based on BFO with LMA Classifier	International Journal of Advance Research, Ideas and Innovations in Technology	Vol-4, Issue-2	2454-132X	2018	International
12	Ms. Astha Gautam	Artificial Intelligence Based Energy Efficient PEGASIS Routing Protocol in Wireless Sensor Network	International Journal of Advanced Computronics and Management Studies	Vol-3, Issue-1	2456-1835	2018	International
13	Ms. Astha Gautam	An Analytical Review on PEGASIS Protocol	International Journal of Advanced Computronics and Management Studies	Vol-3, Issue-1	2456-1836	2018	International
14	Ms. Astha Gautam	A Review on Face Recognition for Faster Processing Power	International Journal of Innovative Research in Computer and Communication Engineering	Vol-6, Issue-1	2320-9801 (Online)	Jan-18	International
15	Ms. Astha Gautam	A Review Paper on Enrichment of Data Security by using Various Cryptographic Algorithms	International Journal of Advanced Research in Computer and Communication Engineering	Vol-6, Issue-7	2278-1021(Online)	Jul-17	International
16	Ms. Astha Gautam	Enhancement of Speech Recognition System Using Higher Order Linear Predictive Coding Over Convolutional Neural Network	International Conference on Innovative Research in Science, Technology and Management		ISBN: 978-93-86171-20-7	Jan-17	International Conference
17	Ms. Astha Gautam	Extended PSR: A Lightweight Proactive Source Routing Protocol for Mobile Ad Hoc Networks	International Journal of Modern Trends in Engineering and Research	Vol-4, Issue-1	2349-9745	Feb-17	International
18	Ms. Astha Gautam	Machine Learning Impact on Sentiment Analysis of Tweets: A Review	International Journal of Advanced Research in Computer and Communication Engineering	Vol-6, Issue-12	2278-1021 (Online)	Dec-17	International

19	Ms. Astha Gautam	Survey on Various Steganography Techniques	International Journal of Advanced Research in Computer and Communication Engineering	Vol-6, Issue-5	2278-1021 (Online)	May-17	International
20	Ms. Astha Gautam	A Technique to improve the performance of Wireless Sensor Network using Coordinate based Mobile Sink	International Journal of Electrical, Electronics and Computer Systems	Vol-5, Issue-1	2347-2820 (Online)	2017	International
21	Ms. Astha Gautam	Energy Efficient Techniques of Wireless Sensor Networks: A Review	International Journal of Advanced Research in Computer Engineering & Technology	Vol-6, Issue-2	2278 – 1323	Feb-17	International
22	Ms. Astha Gautam	Modular Software Model Checking for Distributed Systems	International Journal of Innovative Research in Computer and Communication Engineering	Vol-5, Issue-11	2320-9801	Nov-17	International
23	Ms. Astha Gautam	Designing of an efficient image encryption-compression system using a New Haar and Coiflet with Daubchies and Symlet wavelet transforms	International Journal of Engineering Research and General Science	Vol-4, Issue-2	2091-2730	Apr-17	International
24	Ms. Astha Gautam	Implementation of An Efficient Image Encryption-compression System using a New Haar and Coiflet with Daubchies and Symlet Wavelet Transform	Advances in Computer Science and Information Technology	Vol-3, Issue-2	2392-9915(Online)	Mar-17	National
25	Ms. Astha Gautam	Detection of the White Blood Cell using Clustering Approach and classification using Multi-layer Architecture	International Journal of Research in Electronics and Computer Engineering	Vol-4, Issue-4	2348-2281(Online)	Dec-17	International
26	Ms. Astha Gautam	Machine Vision: Concept and Components	International Journal of Engineering and Technical Research	Vol-3, Issue-5	2321-0869	May-15	International
27	Ms. Astha Gautam	A Review on Remote Sensing Technique: Concept and Principles	International Journal for Research in Emerging Science and Technology	Vol-2, Issue-5	2349-7610	May-15	International
28	Ms. Astha Gautam	The Concept of Object Recognition	International Journal of Advanced Research in Computer Science and Software Engineering	Vol-5, Issue-3	2277-128	Mar-15	International
29	Ms. Astha Gautam	An Approach to Hide Data in Video Using Steganography	International Journal of Research	Vol-3, Issue-4	2321-7308	Apr-14	International

			in Engineering and Technology				
1	Er. Vandna	Data Mining Techniques for Increasing Smart Farming in Agrarian Sector	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	ISSUE 02	ISSN 2277-8616	FEBRUARY 2020	Scopus
2	Er. Vandna	Implementation of Automatic Irrigation System for Green House and Open Fields Using IOT	Advances in Management, Social Sciences and Technology		ISBN: 978-81-949278-6-0	30th August 2020	UGC
3	Er. Vandna	Making Agronomy Smart and Precise by using IoT	International Journal of All Research Education & Scientific Methods	Issue 7	ISSN: 2455-6211	July-2021	UGC
1	Er. Shivani Thakur	Analysis of various email spam filtering techniques.	Infokara Research	Volume 10, Issue-10	ISSN-1021-9056	2021	UGC
2	Er. Shivani Thakur	Ensemble Classification Approach or Email spam filtering	International Journal of International journal of management, IT & Engineering	Vol-11, Issue-9	ISSN: 2249-0558	2021	UGC
1	Er. Abhishilpa Nandini	“Wireless Sensor Network-Challenges & Possibilities”,	International Journal of Computer Applications.	140 (2)		2016	
1.	Er. Raman Kumar	“Experimental Study of the Counter Flow Regenerator with Structure Packing”	International Journal of Innovative Research in Advanced Engineering (IJIRAE)	Volume 2	2349-2163	2015	Google Scholar
2	Er. Raman Kumar	Forensic Network Traffic Analysis: An Overview	International Journal of Engineering, Pure and Applied Sciences	6/2	2456-3129	2021	
3.	Gurdeep Singh Atwal	“Computational Study on Effect of Parameters on Stress of Centrifugal Compressor Blades”	International Journal of Current Engineering and Technology		E-ISSN 2277 – 4106, P-ISSN 2347 – 5161		

2. Patents/ Copyright Applied or Published

(Photo) Name of the Faculty Designation Department	Patent Title	National/ International	Status (Filed/Publish ed/Granted)
 <p>Prof.(Dr.) Randeep Singh Professor Computer Science & Engineering</p>	Intelligent System for mango disease detection using Machine Learning and IOT Sensor	International	Granted
	System for Product Quality Inspection in Production line based on Machine Learning and Image Processing	National	Published
	Smart Sound Detection System based on multiple sounds processing using Artificial Intelligence	International	Published
	Eco Solar Mobile Pillar	National	Filed
	Intelligent system and method for providing a virtual consultation service based on Artificial Intelligence	National	Published
	Health monitoring finger ring though sensing the sweat of human body using Internet of Things	National	Published
	Smoke detection and monitoring through advanced sensors and IOT in cloud-based intelligent system	National	Published
 <p>Mr. Ashok kumar Assistant Professor Computer Science Technology</p>	A Novel Sustainable Water Filtration Device Application Number: -G11445DE	International	Published /Granted
 <p>Er. Raman Kumar Assistant Professor (ME)</p>	Wirelessly Controlled Intelligent System for Digital Door Lock Applications Using IOT	National	Published
	Eco Solar Mobile Pillar	National	Published
	Smart System or Controlling Road Transports for Clearance Ambulance Path Based on IOT And Artificial Intelligence	International	Published

3. Publication in Conference proceedings

Sr. No.	Name of the Faculty	Title of Paper	Name of Journal	Conference		Vol. No.	Year	Page No.
				Name	Place			
1	Dr. Randeep Singh	Traditional VS Modern Software Engineering Models: A Review	National Conference on Issues & Challenges in Contemporary World		IEC University, Baddi, Solan, HP.			
2	Dr. Randeep Singh	Prediction based Cluster Formation Algorithm for Life Time Maximization in Heterogeneous Wireless Sensor Networks	National Conference on Issues & Challenges in Contemporary World		IEC University, Baddi, Solan, HP		2015	
3	Dr. Randeep Singh	Semantic Web-An Ontology Approach & Consistency Management	National Conference on Advance Computing & Communication Technology		Vaish College of Engineering, Rohtak, Haryana, India.		2010	
4	Dr. Randeep Singh	An impact of globalization on Indian IT industry	15th Annual National Conference on Indian Political Economy Association		CDLU, Sirsa, Haryana, India.		2011	
5	Dr. Randeep Singh	Recent trends in cybercrime and issues of cyber laws	1st Multi-Disciplinary National Conference on Society, Technology and Development		IEC University, Baddi, Solan, HP.		2019	
1.	Vivek Kumar	Simulated investigation of cutting speed on cutting force and temperature of carbide cutting tool in turning of en-31 steel”	Recent Advances in Engineering and technology (NCRAET-2017)”	(NCRAE T-2017)”	Agarsen University		2017	
2	Vivek Kumar	Static Structural Analysis of Boiler Shell with Welded Joints using ANSYS	National Conference of Innovation in Civil and Mechanical Engineering	(EZUCURSION’16)	Baddi University		2016	

3	Vivek Kumar	Effect of heating temperature on hardness of rock cutting drill bit” national conference of innovation in Civil and Mechanical Engineering	National Conference of Innovation in Civil and Mechanical Engineering	(EZUCURSION’16)	Baddi University		2016	
4	Vivek Kumar	“Experimental and simulated investigation of cutting parameters on output parameters in turning of EN-31 material with carbide tool”	National Conference of Innovation in Civil and Mechanical Engineering	(EZUCURSION’16)	Baddi University		2016/5/12	
5	Vivek Kumar	“Utilization of geothermal energy for air conditioning”	Newest Drift in Mechanical Engineering		MMU		2014	

4. Invited talk/ Resource/ person/ Guest Lecture

Sr. No.	Name of the Faculty	Invited talk/ Resource/ person/ Guest Lecture detail
1.	Mr. Aman Kumar	<ol style="list-style-type: none"> 1. “Guest Lecture on ICT” in GSSS Ganuth Distt. Sirmur(H.P.) 2. “Guest Lecture on Word Processing” in GSSS Ganuth Distt. Sirmur(H.P.)