PROFILE

1. PERSONAL INFORMATION

Name in full (capital letters)	:	DR. GAURAV GUPTA
Father's Name	:	Sh. J. K. Gupta
Mother's Name	:	Smt. Vanita Gupta
Date of Birth	:	23-July-1980
E-mail	:	gaurav.shakti@gmail.com, gaurav.ce@pbi.ac.in (Official)
Postal Address	:	#400, PHASE-2, URBAN ESTATE PATIALA (Pb) - 147002 (M) +91-9501236400

2. BIOGRAPHY

Dr. Gaurav Gupta, is currently serving as Assistant Professor at Punjabi University, Patiala (Pb), India after completing his Ph.D, M.Tech and B.Tech in Computer Science & Engineering from the University. He has more than 20 years of teaching experience and has supervised 41 M.Tech Dissertations. He is also supervising 7 Ph.D research scholars. He has authored 2 books. He has contributed 01 patent and 105 articles in many reputed Journals besides participating in some international conferences. His research interests include Machine Learning, Data Science, Data Mining & Warehousing, Big Data, CRM, Information Systems, Knowledge Management, Cloud Computing and DIP. He is a member of UACEE, IAENG, IACSIT and SDIWC. He is on editorial board of various Journals. Before joining Punjabi University, he served Chitkara University and RIMT University. He had delivered many Expert talks and headed workshops in different colleges and universities. He also headed many committees and along with his team completed 3 projects for University. He was awarded "Top 50 International Distinguished Young Researcher in 2020 and is listed in "100 Eminent Academicians of 2021" by International Institute of Organized Research.

ਪ੍ਰੋਫਾਈਲ

ਨਿੱਜੀ ਜਾਣਕਾਰੀ

ਨਾਮ	ਡਾ. ਗੌਰਵ ਗੁਪਤਾ
ਪਿਤਾ ਦਾ ਨਾਮ	ਇੰਜ. ਜਤਿੰਦਰ ਕੁਮਾਰ ਗੁਪਤਾ
ਮਾਂ ਦਾ ਨਾਮ	ਵਨੀਤਾ ਗੁਪਤਾ
ਜਨਮ ਤਾਰੀਖ	23-ਜੁਲਾਈ-1980
ਪਤਾ	#400, ਫੇਜ਼ - 2, ਅਰਬਨ ਅਸਟੇਟ, ਪਟਿਆਲਾ
ਦਫਤਰ ਦਾ ਪਤਾ	ਕਮਰਾ FF-317, ਤੀਜੀ ਮੰਜ਼ਲ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਕੈਂਪਸ
ਮੋਬਾਈਲ	+91-9501236400
ਈਮੇਲ	gaurav.shakti@gmail.com (ਨਿੱਜੀ), gaurav.ce@pbi.ac.in (ਦਫਤਰੀ)

ਜੀਵਨੀ ਬਾਰੇ

ਡਾ. ਗੌਰਵ ਗੁਪਤਾ, ਇਸ ਵੇਲੇ ਯੂਨੀਵਰਸਿਟੀ ਤੋਂ ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਅਤੇ ਇੰਜੀਨੀਅਰਿੰਗ ਵਿਚ ਪੀ.ਐਚ.ਡੀ., ਐਮ.ਟੈਕ ਅਤੇ ਬੀ.ਟੈਕ ਪੂਰੀ ਕਰਨ ਤੋਂ ਬਾਅਦ ਉਹ ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ (ਪੀ.ਬੀ.) ਵਿਖੇ ਸਹਾਇਕ ਪ੍ਰੋਫੈਸਰ ਵਜੋਂ ਸੇਵਾਵਾਂ ਨਿਭਾਅ ਰਹੇ ਹਨ। ਉਸ ਕੋਲ 20 ਸਾਲਾਂ ਤੋਂ ਵੱਧ ਦਾ ਅਧਿਆਪਨ ਦਾ ਤਜਰਬਾ ਹੈ ਅਤੇ ਉਸਨੇ 41 ਤੋਂ ਵੱਧ ਐਮ.ਟੈਕ ਖੋਜ ਨਿਬੰਧਾਂ ਦੀ ਨਿਗਰਾਨੀ ਕੀਤੀ ਹੈ। ਉਹ 7 ਪੀ.ਐਚ.ਡੀ. ਖੋਜ ਵਿਦਵਾਨਾਂ ਦੀ ਵੀ ਨਿਗਰਾਨੀ ਕਰ ਰਿਹਾ ਹੈ। ਉਸਨੇ 2 ਕਿਤਾਬਾਂ ਲਿਖੀਆਂ ਹਨ। ਉਸਨੇ ਕੁਝ ਅੰਤਰਰਾਸ਼ਟਰੀ ਕਾਨਫਰੰਸਾਂ ਵਿੱਚ ਭਾਗ ਲੈਣ ਤੋਂ ਇਲਾਵਾ ਕਈ ਨਾਮਵਰ ਜਰਨਲਾਂ ਵਿੱਚ 01 ਪੇਟੈਂਟ ਅਤੇ 105 ਲੇਖਾਂ ਦਾ ਯੋਗਦਾਨ ਪਾਇਆ ਹੈ। ਉਸ ਦੀਆਂ ਖੋਜ ਹਿੱਤਾਂ ਵਿੱਚ ਮਸ਼ੀਨ ਲਰਨਿੰਗ, ਡੇਟਾ ਸਾਇੰਸ, ਡੇਟਾ ਮਾਈਨਿੰਗ ਐਂਡ ਵੇਅਰਹਾਊਸਿੰਗ, ਬਿਗ ਡੇਟਾ, ਸੀਆਰਐਮ, ਇਨਫਰਮੇਸ਼ਨ ਸਿਸਟਮ, ਨੌਲਜ ਮੈਨੇਜਮੈਂਟ, ਕਲਾਊਡ ਕੰਪਿਊਟਿੰਗ ਅਤੇ ਡੀ.ਆਈ.ਪੀ ਸ਼ਾਮਲ ਹਨ। ਉਹ ਯੂਏਸੀਈਈ, ਆਈਏਐਂਨਜੀ, ਆਈਏਸੀਐਸਆਈਟੀ ਅਤੇ ਐਸਡੀਆਈਡਬਲਯੂਸੀ ਦਾ ਮੈਂਬਰ ਹੈ। ਉਹ ਵੱਖ-ਵੱਖ ਰਸਾਲਿਆਂ ਦੇ ਸੰਪਾਦਕੀ ਬੋਰਡ 'ਤੇ ਹੈ। ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਵਿਚ ਦਾਖਲ ਹੋਣ ਤੋਂ ਪਹਿਲਾਂ ਉਸਨੇ ਚਿਤਕਾਰਾ ਯੂਨੀਵਰਸਿਟੀ ਅਤੇ ਰਿਮਟ ਯੂਨੀਵਰਸਿਟੀ ਵਿਚ ਸੇਵਾ ਕੀਤੀ। ਉਸਨੇ ਕਈ ਮਾਹਰ ਭਾਸ਼ਣ ਦਿੱਤੇ ਅਤੇ ਵੱਖ ਵੱਖ ਕਾਲਜਾਂ ਅਤੇ ਯੂਨੀਵਰਸਿਟੀਆਂ ਵਿੱਚ ਡੇਟਾ ਮਾਈਨਿੰਗ ਅਤੇ ਇਸ ਦੀਆਂ ਤਕਨੀਕਾਂ ਬਾਰੇ ਵਰਕਸ਼ਾਪਾਂ ਦੀ ਅਗਵਾਈ ਕੀਤੀ। ਉਸਨੇ ਕਈ ਕਮੇਟੀਆਂ ਦੀ ਅਗਵਾਈ ਵੀ ਕੀਤੀ ਅਤੇ ਆਪਣੀ ਟੀਮ ਦੇ ਨਾਲ ਯੂਨੀਵਰਸਿਟੀ ਲਈ 3 ਪ੍ਰੋਜੈਕਟ ਪੂਰੇ ਕੀਤੇ। ਉਸਨੂੰ 2020 ਵਿੱਚ "ਟੌਪ 50 ਇੰਟਰਨੈਸ਼ਨਲ ਡਿਸਟਿੰਗੁਇਸ਼ਡ ਯੰਗ ਰਿਸਰਚਰ" ਨਾਲ ਸਨਮਾਨਿਤ ਕੀਤਾ ਗਿਆ ਅਤੇ ਇੰਟਰਨੈਸ਼ਨਲ ਇੰਸਟੀਚਿਊਟ ਆਫ਼ ਆਰਗੇਨਾਈਜ਼ਡ ਰਿਸਰਚ ਦੁਆਰਾ "2021 ਦੇ 100 ਉੱਘੇ ਅਕਾਦਮਿਕ ਵਿਗਿਆਨੀਆਂ" ਵਿੱਚ ਸੂਚੀਬੱਧ ਕੀਤਾ ਗਿਆ।

3. EDUCATIONAL QUALIFICATIONS

Sr. No.	Degree / Diploma / Certificate	Year of Passing	University / College
1.	Ph.D	2015	Punjabi University, Patiala
2.	M.Tech (CSE)	2004	Punjabi University, Patiala
3.	B.Tech (CSE)	2002	G.Z.S.C.E.T, Bathinda, PTU
4.	10 + 2	1998	M. M. Modi College, Patiala
5.	10th	1996	St. Peter's Academy, Patiala

4. EXPERIENCE: 17 YEARS

Sr. No.	Position Held & Organization	Duration		Period
		From	To	
1.	Assistant Professor, Computer Science & Engineering, Punjabi University	23-12.2011	Till Date	----------------
2.	Assistant Professor, Computer Science & Engineering, RIMT-IET, Mandi Gobindgarh	01-08-2006	22-12-2011	5 Years 5 Months
3.	Lecturer, Computer Science & Engineering, Chitkara Institute of Engineering & Technology, Rajpura	01-08-2003	31-07-2006	3 Years

5. PROFESSIONAL CONTRIBUTIONS

- PhD. Thesis Guided (Completed/Registered/Enrolled)   07
- M.Tech. Thesis Guided (Completed)   41
- Publications in Journals   81
- Publications in International / National Conferences   25
- Books Published   02
- Patents   01
- Awards and Recognitions   02

6. AREA OF SPECIALIZATION
- Data Mining & Data Warehousing
- Data Science and Machine Learning
- Customer Relationship Management
- Big Data, Cloud Computing, MIS
- Oracle, SPSS, Python

7. SUBJECTS OF INTEREST

Data Mining & Data Warehousing (DMDW)
Theory of Computation (TOC)
Data Structures (DS)
Operating Systems (OS)
Mobile Apps Development (MAD)
Object Oriented Programming (OOPs)
Relational Database Management System (RDBMS)
Database Management System (DBMS)
Visual Programming using VB.Net (VP)
Management Information System (MIS)
Computer Architecture (CA)
Fundamentals of Computer Programming & IT (FCPIT)
Computer Graphics (CG)
Microprocessor and Programming Language (MP)
Introduction to IT

8. Invited Lectures and Chairmanships at National / International Conferences/Seminars/Workshops

- Expert talk on "Programming and Databases" In 22nd September-2019 Desh Bhagat, Dhuri
- One Day Seminar on "Oracle Databases" on 4th April-2019 at Patel Memorial National College, Rajpura, Punjab.
- One Day National Workshop on "Building Block of Programming" on 17th October-2018 at GNA University, Phagwara.
- UGC Sponsored National Workshop on "Hybrid Cloud Computing and IoT" on 7-20 September-2017 at Guru Nanak Khalsa College, Yamuna Nagar, Haryana.
- One Day Seminar on "Data Mining-Tools and Techniques" on 13th February-2017 at Asra College, Bhawanigarh.
- DST Sponsored One Day National Workshop on "Data Mining and Big Data Tools" on 25th January- 2017 at CGC College, Landran.
- One Day National Workshop on "Data Mining" on 6th October-2016 at Continental College, Fatehgarh Sahib.

9. Participated in Workshops, FDP, Webinar

- Webinar on "Modelling and Assembly using Solidworks" on 7th June-2020 (Online Mode) Organised by YCoE, Talwandi Sabo.
- FDP on "Cyber Security and Malware Analysis" 26-27 May-2020 (Online Mode) organised by CMR College, Hyderabad.
- Webinar on "Intellectual Property Rights and Patenting" on 23rd May-2020 (Online Mode) Organised by YCoE, Talwandi Sabo.
- STC on "Data Science using Python" 18-22 May-2020 (Online Mode) NITTTR Chandigarh.
- STC on "Cyber Security" 9-13 December-2019 NITTTR Chandigarh.
- One Day National Workshop on "Essentials of NBA Accrediation" on 28th November-2019.
- STC on "Internet of Things" 23-27 September-2019 NITTTR Chandigarh.
- One Day Workshop on "Northern Regional Training Programme on Plagiarism Detection Software, PDS (URKUND) under aegis of MHRD" on 19th August-2019 at Chandigarh University.

- STC on "Embedded Systems through ICT" 17-21 September-2018 NITTTR Chandigarh.
- STC on "Wireless Communication" 2-6 May-2016 NITTTR Chandigarh.
- Two Day National Workshop on "Latest Trends in Cloud Computing" on 11-12 April-2016.
- One Day National Workshop on "Computer Networking and Troubleshooting" on 4th March-2016.
- STC on "Cyber Threat Detection and safety" 4-15 January-2016 NITTTR Chandigarh.
- National Workshop on "Learning Data Mining: Tools and Techniques" 14-16 April-2012.
- STC on E-Commerce and Computer Network from NITTTR Chandigarh 2007.

10. Professional Certification

- Cloud and Virtualization Concepts by VMWARE-2020.
- Certificate of Excellence on Funding, Research Data Management, Technical writing skills, Ethics, Open Science by Research Academy, Elsevier-2020.
- Applied Data Science with Python Provided by IBM- 2020.
- Certification on Cloud Fundamentals by AWS-2020.
- Certifications on Virtual Reality, Dreamweaver, WordPress, Project Management, Python, Corel Draw, Marketing Analytics, Preventing DDoS attacks by BitDegree-2020
- Network Virtualization Concepts by VMWARE-2020.
- Data Science Foundation's Provided by IBM- 2020.
- Machine Learning for Developers by AWS-2020
- Software-Defined Storage Concepts by VMWARE-2020.
- Data Science Business by IBM- 2020.
- Serverless Computing, Security by AWS-2020
- Machine Learning with Python by IBM-2020.
- Oracle Certified Associates by Oracle-2005

11. Professional Membership

- Member of the Computer Society of India
- Life Time Member of The International Association of Engineers (IAENG)
- Life Time Member of The Society of Digital Information and Wireless Communication (SDIWC)
- Life Time Member of The International Computer Science and Engineering Society (ICSES)

12. Reviewer Panel Membership

- Reviewer for Elsevier Array Journal.
- Reviewer for Indonesian Journal of Electrical Engineering and Computer Science
- On Review Panel of IEEE Access: The Multidisciplinary Open Access Journal
- Reviewed many paper for different National/ International conferences.

13. Extra Curricular Activities / Hobbies

- ❖ Member of Board of Studies
- ❖ Member of Student Activity Fund
- ❖ Coordinator to Digitize Main Library and Research Branch of Punjabi University- 2020
- ❖ Member of Accommodation Committee of International Conference in Economics Department- 2020
- ❖ Member of Discipline Committee in Crispolatieia- 2019
- ❖ Member of Accommodation Committee of International Conference in Economics Department- 2019
- ❖ Organised Fun Events in Aayam-2017
- ❖ Organized two day work shop on Latest Trends in cloud computing as Organizing Sectary
- ❖ Convener Cultural Committee in Crispolatieia- 2012
- ❖ Member of arrangement committee of Crispolatieia- 2012
- ❖ Discipline committee Crispolatieia- 2013
- ❖ Fresher party -2013
- ❖ Akhand Path Organizing Committee-2013
- ❖ Cultural committee in Crispolatieia- 2014
- ❖ Arrangement committee of Akhand Path Sahib 2014
- ❖ Working as departmental Time Table coordinator for 2 years
- ❖ Working as departmental BOS member for 3 years
- ❖ Working as departmental Website coordinator
- ❖ Working as departmental sports club coordinator for 3 years
- ❖ Worked as Department Coordinator for 3 years
- ❖ Worked as auditor for ISO Inspection
- ❖ Prepared students for technical and cultural activities

14. Books Published

[1] Gaurav Gupta and Gurjit Singh Bhathal, *Sentiment Analysis of English Tweets using Data Mining: Data Mining, Sentiment Analysis*, 1st ed. online, India: BookRix, 2018.

[2] Gaurav Gupta, *Database Management Systems*, 1st ed. Patiala, India: TwentyFirst Century Publication, 2017.

15. Details of completed Dissertations

Sr. No.	Roll No.	Name	Thesis Title	Submission Date
1.	96426582673	Mamta Dhanda	A New Approach To Enhance The Attributes Of Association Rule Learning	27/07/2011
2.	96426582685	Sonali Guglani	An Efficient Strategy To Define K-means Clustering Algorithm	27/07/2011
3.	11091009	Tanjeet Kaur	Denoising of Computed Tomography Images using Improved Curvelet Transformation	28/08/2012
4.	11191043	Parampreet Kaur	Automated Model Based Software Test Generation: with UML State Machines	29/08/2013
5.	11191012	Rupali	Hybrid Approach to Mine Frequent Itemsets	29/08/2013

6.	11291025	Harpreet Kaur	Genetically Optimized Cart Algorithm	27/08/2014
7.	11291024	Jasvinder Kaur	Hybrid Clustering Algorithm: K-Means and Hierarchical	27/08/2014
8.	11291022	Pushpinder Kaur	Analysis of Comparison of Different Data Mining Techniques	27/08/2014
9.	11171015	Jaskiranjit Kaur	Comparative Analysis of Biometric System Among Employees of Public and Private Sector Banks	27/08/2014
10.	11171016	Neha Dudeja	Gap Analysis of Perception Among Customers And E-Customers in Retail Sector: A Case Study of Clothing's	27/08/2014
11.	11391007	Gundeep Kaur	Automation Testing Using Enhancement of Selenium IDE	19/08/2015
12.	11391043	Ramesh	Penetration Testing in Virtual Environment and Real Environment	19/08/2015
13.	11271039	Kulwinder Kaur	Predicting To Usage and Association of Internet Among Teacher and Students Using Data Mining	19/08/2015
14.	11271025	Nain Kanwal Kaur	Penetration Testing in Virtual Environment and Real Environment	19/08/2015
15.	11491047	Navjot Kaur	Effectiveness of CRM in Retail Sector using Data Mining	04/08/2016
16.	11491048	Sukhdeep Kaur	Data Mining Approach to CRM in Banking Sector	04/08/2016
17.	7141-13-1362	Ranvir Kaur	E-Mandi	10/06/2016
18.	7141-15-801	Jyoti	Genetic Based Workflow Scheduling in Cloud Computing	12/07/2017
19.	7141-15-803	Ramanpreet Kaur	Sentimental Analysis of Online Reviews of Products by Customer	12/07/2017
20.	7141-15-798	Jasminderjit Kaur	Energy Efficiency in Cloud Computing Using VM Migration	27/07/2017
21.	7141-14-1183	Avneet Kaur	Analysis of Agent Less Standalone Applications in SaaS Using Virtualization	18/08/2017
22.	7141-14-1182	Davandeep Kaur	To Detect The Causes and Mitigate The Effects of The DDoS Attacks	18/08/2017
23.	7141-15-807	Kamalpreet Kaur	Evaluation of Various Sorting Algorithm in Cloud Computing using MapReduce	18/08/2017
24.	7141-14-1155	Ramandeep Kaur	Prediction of Dengue Disease using Data Mining	18/08/2017

25.	7141-14-1161	Ravneet Kaur	Sentimental Analysis of English Tweets using Data Mining	22/08/2017
26.	7141-14-1187	Amarjot Singh Ghai	Data Mining and Envision Effects of Sports on Vocational academics	22/08/2017
27.	7141-14-1208	Arshika	Determining The Effectiveness of Modernity Medical Equipments Through Data Mining	22/08/2017
28.	7141-14-1204	Harmandeep Kaur	Acquire the Consequences of Electronic Library Using Data Mining	22/08/2017
29.	7141-14-1207	Taranpreet Kaur	To Explore the Perspective on Therapies and Medical Treatment Using Data Mining	22/08/2017
30.	7141-15-864	Nancy Verma	Sentiment Analysis on Real Time Social Tweets	07/09/2018
31.	11691004	Pawandeep Kaur	Rule Based Apriori Approach for Heart Disease Prediction	07/09/2018
32.	7141-16-950	Rupinder Kaur	Sentiment Analysis on Facebook Comments Using Data Mining Techniques	22/10/2019
33.	PU(P)-2016-947	Amritesh Sidhu	Evaluate and Predict the Television Serials TRP	25/10/2019
34.	PU(P)-2016-945	Geetika	Credit Card Fraud Detection Using Data Mining	25/10/2019
35.	PU(P)-2016-949	Himani Rani	Back Propagation with SVM Classifiers for the Heart Disease Prediction	25/10/2019
36.	PU(P)-2016-950	Sabia Gupta	Customers and E-Customers Insight Towards the e-Banking	25/10/2019
37.	7141-18-667	Rupinder Kaur	Heart Attack Prediction With Hybrid Technique Of Weighted k-Mean And Logistic Regression	23/11/2020
38.	11771007	Kamal Deep Singh	Upliftment of Agriculture System by Using Blockchain Technology	06/05/2021
39.	7141-2019-656	Swaty Behl	Data Mining Approach to Predict Dengu Fever	16/09/2021
40.	7141-2020-893	Ankush Kumar	Skin Lesion Detection and Segmentation using Deep Transfer Learning Approach	11/10/2023
41.	7041-2021-240	Soumana Betta Boubacar	Feature Extraction for 3D Point Cloud	11/10/2023

16. RESEARCH PUBLICATIONS IN JOURNALS

S.NO	TITLE	CONFERENCE / JOURNAL	DATE
1.	A Review and Research Panorama on Food Recommender System Based on Health Care	**International Journal of Intelligent Systems and Applications in Engineering (Vol. 12, Issue 17s) ISSN 2147-6799, pp. 409-422 (Scopus Indexed)**	Feb, 2024
2.	Empirical Analysis of Performance Parameters for Consistency in Distributed Databases	**International Journal of Intelligent Systems and Applications in Engineering (Vol. 12, Issue 4s) ISSN 2147-6799, pp. 691-701 (Scopus Indexed)**	Nov, 2023
3.	Concentrations of PM2.5 and PM10 in Ambient Air Before and During Pandemic in Punjab: A Comparative Analysis	**Journal of Data Acquisition and Processing (Vol. 37, Issue 5) ISSN 1004-9037, pp. 2115-2120 (Scopus Indexed)**	Dec, 2022
4.	A Review and Comparison of Key Distributed Database Characteristics Across Several NoSQL Distributed Databases	**Journal of Data Acquisition and Processing (Vol. 37, Issue 5) ISSN 1004-9037, pp. 1513-1521 (Scopus Indexed)**	Dec, 2022
5.	Skin Lesion Classification Based On Deep Convolutional Neural Networks Architectures	**Journal of Pharmaceutical Negative Results (Vol. 13, Issue 10) ISSN 0976-9234, pp. 6130-6144 (Scopus Indexed)**	Dec, 2022
6.	Performance Evaluation of Various Classification Techniques for Customer Churn Prediction in E-Commerce	**Microprocessors and Microsystems (Elsevier) (Vol. 94) ISSN 0141-9331 (SCI, Scopus Indexed)**	Oct, 2022
7.	Development of fading channel patch based convolutional neural network models for customer churn prediction	**International Journal of System Assurance Engineering and Management (Springer) ISSN 0975-6809, pp. 14-24 (Scopus Indexed)**	Aug, 2022
8.	Skin Lesion Detection And Segmentation Using Deep Transfer Learning Approach	**Journal of Pharmaceutical Negative Results (Vol. 13, Issue 5) ISSN 0976-9234, pp. 3012-3019 (Scopus Indexed)**	Jun, 2022
9.	Predicting the net asset value of mutual fund: an extended literature review	**International Journal of Adaptive and Innovative Systems (InderScience) (Vol. 3, Issue 1) ISSN 1740-2115, pp. 14-24**	Apr, 2021
10.	A review and analysis of consistency models in NoSQL databases	**Journal of Xidian University (Vol. 14, Issue 10) ISSN 1001-2400, pp. 624-630**	Oct, 2020
11.	Pre-processing of E-Commerce Data for Customer Churn Prediction using Data Mining	**Journal of Xidian University (Vol. 14, Issue 10) ISSN 1001-2400, pp. 463-470**	Oct, 2020
12.	Study of Ambient Air Pollution Forecasting Using Artificial Neural Network	**Journal of Xidian University (Vol. 14, Issue 9) ISSN 1001-2400, pp. 949-963**	Sep, 2020

13.	A literature survey on the performance prediction of mutual funds	**International Journal of Computational Systems Engineering (InderScience) (Vol. 6, Issue 1) ISSN 2046-3405, pp. 46-51**	Aug, 2020
14.	Heart Attack Prediction with Hybrid Technique of Weighted K-Mean and Logistic Regression	**International Journal of Recent Technology and Engineering (Vol. 9, Issue 2) ISSN 2277-3878, pp. 445-448 (Scopus Indexed)**	Jul, 2020
15.	Application of Blockchain in Indian Agriculture: A Study of Sangrur District of Punjab	**Tathapi (UGC Care Journal) (Vol. 19, Issue 50) ISSN 2320-0693, pp. 194-204**	Jun, 2020
16.	Android Malware Analysis	**International Journal of Computer Science and Mobile Computing (Vol. 9, Issue 3) ISSN 2320-088X, pp.64-68**	Mar, 2020
17.	A Review on Different Classifiers Techniques for Disease Prediction	**Journal of Emerging Technologies and Innovative Research (Vol. 7, Issue 2) ISSN 2349-5162, pp. 1005-1010**	Feb, 2020
18.	A Critical Examination of Different Models for Customer Churn Prediction Using Data Mining	**International Journal of Engineering and Advanced Technology (Vol. 8, Issue 6S3) ISSN 2249-8958, pp.250-254 (Scopus Indexed)**	Sep, 2019
19.	Back Propagation with SVM Classifier for the Heart Disease Prediction	**Global Journal for Research Analysis (Vol. 8, Issue 9) ISSN 2277-8160, pp.113-116**	Sep, 2019
20.	Machine Learning Approach for Credit Card Fraud Detection	**Global Journal for Research Analysis (Vol. 8, Issue 9) ISSN 2277-8160, pp.96-98**	Sep, 2019
21.	Customers & E-Customers Insight Towards the E-Banking	**International Journal of Engineering Research in Computer Science and Engineering (Vol. 6, Issue 9) ISSN 2394-2320, pp.6-13**	Aug, 2019
22.	To Evaluate & Predict the Television Serials' TRP	**International Journal of Engineering Research in Computer Science and Engineering (Vol. 6, Issue 9) ISSN 2394-2320, pp.1-5**	Aug, 2019
23.	Sentimental Analysis on Facebook Comments Using Data Mining Technique	**International Journal of Engineering Research & Technology (Vol. 8, Issue 8) ISSN 2278-0181, pp.690-701**	Aug, 2019
24.	A Review on Sentimental Analysis on Facebook Comments by Using Data Mining Technique	**International Journal of Computer Science and Mobile Computing (Vol. 8, Issue 8) ISSN 2320-088X, pp.17-21**	Aug, 2019
25.	A Review on Factors Responsible for Determining the TRP of A TV Channel or A Program	**International Journal of Scientific & Engineering Research (Vol. 10, Issue 7) ISSN 2229-5518, pp.570-578**	July, 2019

26.	A Review on Customer's Perception Towards the E-Banking Services	**International Journal of Scientific & Engineering Research** **(Vol. 10, Issue 7)** **ISSN 2229-5518, pp.561-569**	July, 2019
27.	Prediction Analysis Techniques of Data Mining: A Review	**International Journal of Computer Science and Mobile Computing** **(Vol. 8, Issue 5)** **ISSN 2320-088X, pp.15-22**	May, 2019
28.	Analysis of Various Credit Card Fraud Detection Techniques	**International Journal of Computer Science and Mobile Computing** **(Vol. 8, Issue 5)** **ISSN 2320-088X, pp.8-14**	May, 2019
29.	Sentiment Analysis of Real Time Social Tweets	**Global Journal of Engineering Science and Researches** **(Vol. 5, Issue 8)** **ISSN 2348-8034, pp.212-227**	Aug, 2018
30.	Rule Based Apriori Approach For Heart Disease Prediction	**Global Journal of Engineering Science and Researches** **(GJESR, Vol. 5, Issue 8)** **ISSN 2348-8034, pp.271-284**	Aug, 2018
31.	A Brief Review: Sentiment Analysis of Real Time Social Tweets	**Global Journal of Engineering Science and Researches** **(Vol. 5, Issue 7)** **ISSN 2348-8034, pp.309-317**	July, 2018
32.	Demographic Analysis of Dengue Fever Using Data Mining	**International Journal of Advanced Research in Computer Science** **(Vol. 8, Issue 7)** **ISSN 0976-5697, pp. 1233-1237**	Aug, 2017
33.	Research Paper On Sentimental Analysis of Online Customer Reviews And Rating	**International Journal of Advanced Research in Computer Science** **(Vol. 8, Issue 7)** **ISSN 0976-5697, pp. 393-397**	Aug, 2017
34.	Aligning The Business Processes With The Services To Customers For Successful CRM: A Managerial Perspective	**Webology** **(Vol. 14, Issue 2)** **ISSN: 1735-188X, pp. 158-184** **(Scopus Indexed)**	July, 2017
35.	Sentiment Analysis of English Tweets on Badminton, Qismat Song And Ishqbaaz Serial Tweets	**International Journal for Multi Disciplinary Engineering and Business Management** **(Vol. 5, Issue 3)** **ISSN 2348 – 2249, pp. 21-29**	July, 2017
36.	Review of Data Mining In Contrast To Modern Medical Equipments	**International Journal for Multi Disciplinary Engineering and Business Management** **(Vol. 5, Issue 3)** **ISSN 2348 – 2249, pp. 18-20**	July, 2017
37.	Role of Virtualization In Cloud Computing	**Global Journal of Engineering Science & Researches** **(Vol. 4, Issue 7)** **ISSN 2348-8034, pp.142-149**	July, 2017

38.	Review on Therapies And Medicinal Treatment Using Data Mining	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 5, Issue 3) ISSN 2348 – 2249, pp. 14-17**	July, 2017
39.	Review on Electronic-Library Using Data Mining	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 5, Issue 3) ISSN 2348 – 2249, pp. 10-13**	July, 2017
40.	Survey on The Effects of Sports On Vocational Academics	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 5, Issue 3) ISSN 2348 – 2249, pp. 7-9**	July, 2017
41.	An Analytic And Comparative Study of Mapreduce- A Systematic Review	**International Journal of Advanced Research in Computer Science (Vol. 8, Issue 5) ISSN 0976-5697, pp. 2453-2459**	June, 2017
42.	Cloud Computing: Types, Topologies, Virtual Machine and VM Migration For Decrease In Power Consumption	**International Journal of Advanced Research in Computer Science (Vol. 8, Issue 5) ISSN 0976-5697, pp. 2357-2361**	June, 2017
43.	Analysis On DDos Attacks In Cloud Networks	**Asian Journal of Computer Science and Information Technology (Vol. 7, Issue 2) ISSN 2249-5126, pp. 9-14**	June, 2017
44.	Sentiment Analysis and Its Challenges	**International Journal of Engineering Research in Computer Science and Engineering (Vol. 4, Issue 2) ISSN 2394-2320, pp. 97-102**	Feb, 2017
45.	Predicting The Cause of Absenteeism Among Public Versus Private College Students Using Data Mining	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 4, Issue 4) ISSN 2348 – 2249, pp. 1-5**	Oct, 2016
46.	Data Mining Approach to CRM in Banking Sector	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 4, Issue 2) ISSN 2348 – 2249, pp. 81-89**	May, 2016
47.	Effectiveness of CRM in Retail Sector Using Data Mining	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 4, Issue 2) ISSN 2348 – 2249, pp. 71-80**	May, 2016
48.	Segmentation of Retail Customers Based on Cluster Analysis In Building Successful CRM	**International Journal of Business Information Systems (InderScience) (Vol. 23, Issue 2) ISSN: 1746-0980, pp. 212-228 (Scopus Indexed)**	Feb, 2016
49.	Analyzing Customer Responses To Migrate Strategies In Making Retailing And CRM Effective	**Int. J. Indian Culture and Business Management (InderScience) (Vol. 12, Issue 1) ISSN: 1753-0814, pp. 92-127**	Jan, 2016

50.	Predicting The Various Risk Factors of Leprosy Using Data Mining Techniques	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 3, Issue 3) ISSN 2348 – 2249, pp. 79-87**	Aug, 2015
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52.	Early Prediction of Leprosy Risk Using Data Mining: A Review	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 3, Issue 3) ISSN 2348 – 2249, pp. 9-12**	July, 2015
53.	Internet Usage Evaluation of Departments of Engineering Colleges Using Data Mining	**International Journal for Multi Disciplinary Engineering and Business Management (IJMDEBM, Vol. 3 No. 2) ISSN 2348 – 2249, pp. 70-74**	June, 2015
54.	Automation Testing Using Enhancement of Selenium IDE	**International Journal in Applied Studies and Production Management (Vol. 1, Issue 3) ISSN 2394-840X, pp. 100-119**	May, 2015
55.	Tracks Covering In Penetration Testing And Cyber Attack	**International Journal in Applied Studies and Production Management (Vol. 1, Issue 3) ISSN 2394-840X, pp. 89-99**	May, 2015
56.	Mining The Customers Data for Making Segments Based on RFM Analysis In Building Successful And Profitable CRM	**Ciência e Técnica Vitivinícola Journal (Vol. 30, Issue 3) ISSN: 0254-0223, pp. 261-270. (SCI Indexed) Impact Factor: 0.48**	Mar, 2015
57.	Securing Networks Using Network Penetration Testing	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 3, Issue 1) ISSN 2348 – 2249, pp. 1-3**	Jan, 2015
58.	Automation Testing Using Selenium IDE	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 3, Issue 1) ISSN 2348 – 2249, pp. 32-36**	Jan, 2015
59.	Token Frequency Search Implementation In Rapidminer Tool Using Treemap	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 3) ISSN 2348 – 2249, pp. 1-5**	July, 2014
60.	Perception of The Adopters About The E-Shopping	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 3) ISSN 2348 – 2249, pp. 27-29**	July, 2014
61.	Awareness of The Employees of The Banks Regarding The Implementation of Biometric System In The Banks	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 3) ISSN 2348 – 2249, pp. 30-33**	July, 2014

62.	Assessing The Dimensions of E-Shopping Preferences By E-Sellers In Making CRM Valuable	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 3) ISSN 2348 – 2249, pp. 150-161**	July, 2014
63.	Hybrid Of K-Means And Hierarchal Algorithms To Optimize Clustering	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 3) ISSN 2348 – 2249, pp. 39-44**	July, 2014
64.	Optimizing Cart Algorithm By Enhancing Attributes	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 3) ISSN 2348 – 2249, pp. 34-38**	July, 2014
65.	Gap Analysis of Perception Among Customers And E - Customers In Retail Sector: A Case Study of Clothing's	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 2) ISSN 2348 – 2249, pp. 20-23**	June, 2014
66.	Awareness of Bio Metric System Among Employees of The Banks	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 2) ISSN 2348 – 2249, pp. 27-30**	June, 2014
67.	Optimized Clustering Algorithm With Hybrid K-Means And Hierarchical Algorithms	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 1) ISSN 2348 – 2249, pp. 4-7**	Mar, 2014
68.	Genetically Optimized Cart Algorithm	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 2, Issue 1) ISSN 2348 – 2249, pp. 24-27**	Mar, 2014
69.	Overview of CRM Using Data Mining	**International Journal for Multi Disciplinary Engineering and Business Management (Vol. 1, Issue 1) ISSN 2348 – 2249, pp. 15-20**	Dec, 2013
70.	Automated Model-Based Test Path Generation From UML Diagrams Via Graph Coverage Techniques	**International Journal of Computer Science and Mobile Computing (Vol. 2, Issue 7) ISSN 2320–088X, pp. 302-311**	July, 2013
71.	Apriori Based Algorithms and Their Comparisons	**International Journal of Emerging Research & Technology (Vol. 2, Issue 6) ISSN: 2278-0181, pp. 79-84**	July, 2013
72.	Coverage Analysis and Chinese Postman Algorithm for Efficient Model-Based Test Generation	**International Journal of Computer Science and Mobile Computing (Vol. 2, Issue 4) ISSN 2320 - 088X, pp. 491-494**	Apr, 2013
73.	Inclination To-Wards Automated Model-Based Test Generation	**International Journal of Advanced Research in Computer Science and Software Engineering (Vol 3, Issue 3) ISSN: 2277 - 128X, pp. 420-423**	Mar, 2013

74.	Data Mining: Techniques, Applications And Issues	**International Journal of Advanced Research in Computer Science and Software Engineering (Vol. 2, Issue 2) ISSN: 2277 - 9043, pp. 220-223**	Feb, 2013
75.	Software Testing – Levels, Methods And Types	**International Journal of Advanced and Innovative Research (Vol. 2, Issue 1) ISSN: 2278 - 7844, pp. 213-216**	Jan, 2013
76.	Improving Customer Relationship Management Using Data Mining	**International Journal of Machine Learning and Computing (Vol. 2, Issue 6) ISSN 2010 - 3700, pp. 874-877**	Dec, 2012
77.	Denoising of Computed Tomography Images Using Curvelet Transformation With Log Gabor Filters	**International Journal of Scientific & Engineering Research (Vol. 3, Issue 11) ISSN 2229 - 5518, pp. 1-4**	Nov, 2012
78.	Denoising of Computed Tomography Images Using Improved Curvelet Transformation.	**International Journal of Research in IT & Management (Vol. 2, Issue 7) ISSN 2231-4334, pp. 34-39**	July, 2012
79.	An Efficient New Strategy To Define Clustering Algorithm	**International Journal of Research in Engineering & Applied Sciences (Vol. 2, Issue 2) ISSN 2249-3905, pp. 561-568**	Feb, 2012
80.	Mining Efficient Association Rules Through Apriori Algorithm Using Attributes	**International Journal of Computer Sciences and Technology (Vol. 2, Issue 3) ISSN 0976 - 8491**	Sep, 2011
81.	Way To Improve K-Means Algorithm By Using Various Attributes	**International Journal of Advanced Engineering Sciences and Technology (Vol. 7, Issue 2) ISSN 2230-7818, pp. 330-336**	July, 2011
82.	Digital Image Watermarking Using Two Dimensional Discrete Wavelet Transform, Discrete Cosine Transform And Fast Fourier Transform	**International Journal of Recent Trends in Engineering (Vol.1, Issue 1) pp. 616-618**	May, 2009

17. RESEARCH PUBLICATIONS IN INTERNATIONAL / NATIONAL CONFERENCES

1.	Data Pre-processing for Development of Customer Churn Prediction Models in E-commerce	**1st International Conference on Applied Data Science and Smart Systems (ADSSS-2022)**	Nov, 2022
2.	Potential Pre-processing Techniques of Data Mining on Mutual Funds	**1st International Conference on Applied Data Science and Smart Systems (ADSSS-2022)**	Nov, 2022
3.	A Machine Learning Approach to Predict Critical Illness in COVID-19 Patients	**1st International Conference on Applied Data Science and Smart Systems (ADSSS-2022)**	Nov, 2022

4.	Perceptible Change of AIR Quality in Punjab During Pandemic	**1st International Conference on Recent Innovations in Science, Engineering and Technology**	Sep, 2020
5.	Review Of Data Mining and Its Techniques	**International Conference on Futuristic Trends in Computing and Networking (ICFTCN-2018)**	Feb, 2018
6.	Overview of Data Mining Techniques And Tools	**International Conference on Recent Trends in Computing (ICRTC)**	Aug, 2016
7.	A Review on Conceptual Data Mining	**International Conference on Recent Trends in Computing (ICRTC)**	Aug, 2016
8.	Effectiveness of CRM In Retail Sector In Data Mining	**National Conference on Emerging Areas in Computer Sciences & Communication Engineering**	Mar, 2016
9.	Review on CRM In Banking Sector Using Data Mining	**National Conference on Emerging Areas in Computer Sciences & Communication Engineering**	Mar, 2016
10.	Intelligent CRM Using Data Mining Techniques To Retain High-Risk Customers	**International Conference on Computing, Engineering & Technology Sciences**	Mar, 2013
11.	A Survey on Different Data Mining Techniques With Emphasis on Clustering	**International Conference on Advance Computing Technologies (ICACT 2012)**	June, 2012
12.	Denoising of Computed Tomography Images Using Curvelet Transformation And Comparisoin of Log Gabor Filter With High Pass And Low Pass Filter	**International Conference on Advance Computing Technologies (ICACT 2012)**	June, 2012
13.	Building Successful CRM Using Data Mining Techniques	**International Conference on Advancements in Computing & Communication (ICACC 2012)**	Feb, 2012
14.	An Efficient New Strategy To Define Clustering Algorithm	**International Conference on Competiveness & Innovativeness in Engineering, Management & Information Technology (ICCIEMI – 2012)**	Jan, 2012
15.	Improving Customer Relationship Management Using Data Mining	**3rd International Conference on Machine Learning and Computing (ICMLC 2011)**	Feb, 2011
16.	Mobile Ad Hoc Networking (MANET): Routing Protocol Performance Issues And Evaluation Considerations	**International Symposium on Computer Engineering & Technology (ISCET-2010)**	Mar, 2010
17.	Image Compression Using Wavelet Cdf9/7 Transform	**International Conference on Intelligent System & Networks (IISN-2009)**	Feb, 2009
18.	Survey In Data Mining And Its Applications	**National Conference on Challenges & Opportunities in Information Technology (COIT-2008)**	Mar, 2008

19.	NLP & Its Applications	**National Conference on Challenges & Opportunities in Information Technology (COIT-2008)**	Mar, 2008
20.	Application & Trends In Data Mining	**National Conference on Challenges & Opportunities in Information Technology (COIT-2007)**	Mar, 2007
21.	Artificial Intelligence & Humankind	**National Conference on Challenges & Opportunities in Information Technology (COIT-2007)**	Mar, 2007
22.	Data Mining & Knowledge Management In Higher Studies	**National Conference on Annual Symposium on Emerging Technologies (ASET-2006)**	July, 2006
23.	Microsoft .Net Technologies	**National Conference on Annual Symposium on Emerging Technologies (ASET-2006)**	July, 2006
24.	Throughput Analysis of Fault-Tolerant Regular & Irregular Multistage Interconnection Networks	**National Conference on Recent Advances & Future Trends in IT (RAFIT-2005)**	Mar, 2005
25.	Comparison of Bandwidth of Regular & Irregular Fault-Tolerant Multistage Interconnection Networks	**National Conference Recent Advances & Future Trends in IT (RAFIT-2005)**	Mar, 2005

18. PATENTS

❖ Title of the invention: **A SYSTEM OF DEEP LEARNING CUSTOMER CHURN PREDICTION MODEL IN E-COMMERCE USING DATA MINING**
Publication Date: 17/12/2021

19. AWARDS AND RECOGNITIONS

❖ Listed in "100 Eminent Academicians of 2021" by International Institute of Organized Research (I2OR), a registered MSME with the Ministry of Micro, Small and Medium Enterprises, Government of India.

❖ Awarded the "International Innovative Educator Award 2021" by the International Institute of Organized Research (I2OR), a registered MSME with the Ministry of Micro, Small and Medium Enterprises, Government of India.

❖ Awarded "Top 50 International Distinguished Young Researcher 2020" by Green ThinkerZ Awards.