

# Prof. Prabhjot Kaur Sidhu

(Professor, Department of IT,  
Maharaja Surajmal Institute of Technology)

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## Profile Summary

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Prof. Prabhjot is an academically brilliant professional and passionate teacher with **22+ years** of teaching experience who always wanted to become a teacher as she firmly believes that the quality of education depends on the teacher's quality. She imagines that teaching has given her a platform to contribute to humanity, prosperity, and innovation. Dr. Prabhjot believes that she is in the business of building the nation by transforming and empowering her students, who are the future of the nation.

Prof. Prabhjot is passionate about research. She has been awarded **PhD twice** for her work in two different research areas. Prof. Prabhjot's first research work gave solutions in the field of medical imaging to detect tumor regions accurately out of corrupted CT scan / MRI brain tumor images. In her second research work, she provided solutions for class imbalance problems in a noisy environment using data-level approaches.

Prof. Prabhjot has authored and published **3 books, 8 Patents (01 Granted, 01-Under Examination, 06 Published) and 50+ research** papers in reputed journals and conferences (**SCIE:9, ESCI:5, Scopus:24**). She has **680 citations with h-index:16 and i10 index: 23**. She is working closely to guide students to pursue their research work/ PhD in the field of class imbalance and security issues in IoT.

Prof. Prabhjot is ranked among **Top 2% Researchers in the World** by **Stanford University Global Ranking for the year 2020**. She was awarded **Best Researcher of the Year 2021** by CEGR (Center of Education Growth and Research) for outstanding and exemplary contribution towards education, skill development and Research. She was awarded **Best Faculty** at MSIT for the year 2012 for outstanding contribution to the institution in the academics, placement, Research & Publications, and Extra-Curricular areas. She also won the **Research excellence award** for the year 2019, 2021 and 2022.

Prof. Prabhjot is a keen learner and a student of technology. She has attended more than 30 Faculty development programs and seminars to keep her updated with the latest technology innovation and transformation.

Prof. Prabhjot has contributed significantly to the administrative progress of MSIT over the years such as convener of Joint Assessment Committee (JAC), IP Affiliation Committee, Annual Academic audit by GGSIP University; HOD of IT department; Convener of Avensis, College Magazine, Editor-in-chief of Launch edition of College Research journal, and core team members of several essential college committees, etc.

Prof. Prabhjot has committed her life to impart the best quality education to the students and teaching them the importance of ethics, values, and principles in all facets of life.

Prof. Prabhjot has always been academically excellent. She was on the merit list in matriculation and won **National Scholarship**. She was a **Gold medalist** in Thapar Polytechnic. During B.Tech., she was among the top 5 rankers consistently in all the semesters. She completed her M.Tech. with distinction.

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## Educational Qualifications

Degree	Institute	Subject	Performance and Result
<b>1<sup>st</sup> Ph. D.</b> (Computer Science & Engineering)	GGSSIP University. (2015-2020)	“Improving the classification performance in case of noisy imbalanced data-sets using robust data level approach”	Granted: <b>1 Patent</b> Under Examination: <b>01</b> Published: <b>7 Patents, 50+ papers</b> in reputed International Journals and Conferences (SCIE-09, ESCI=05, SCOPUS-28+)
<b>2<sup>nd</sup> Ph. D.</b> (Computer Science & Engineering)	Sharda University, Greater Noida. (2010-2015)	“Soft Computing based Image Segmentation of Noisy Digital Images”	<b>Citations: 680</b> <b>H-index: 16</b> <b>i10-index: 23</b> <a href="#">(Annexure – 1)</a>
<b>M.Tech</b> (Information Technology)	Punjabi University, Patiala Punjab, India, (2001-2003)	Advance Computer Architecture, Advance Computer Networks, C#, Advance DBMS	1 <sup>st</sup> Division Secured 77.4 % <b>(With Distinction)</b>
Bachelor of Engineering (B. E.) (Computer Science & Engg.)	Sant Longowal Institute of Technology (Now Deemed University), Sangrur, Punjab. (1996-1999)	Data Structure, C programming, Computer Architecture, Computer Networks	1 <sup>st</sup> Division Secured 74.6 % <b>(With honors)</b> 4 <sup>th</sup> Position in the Batch
3 Year Diploma in Electrical	Thapar Polytechnic, Patiala Punjab, India, 1994	Electrical machines, Power system, Electronic Devices	1 <sup>st</sup> Division Secured 76.8 % <b>(Gold Medalist)</b>
Matriculation	Punjab School Education Board, 1991	English, Maths, Punjabi, Hindi, Science	1st Division Secured 84.1 % <b>(In Punjab Merit List)</b>

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## Teaching Experience - 22+ years

1. **1<sup>st</sup> September 2023 – Till date: Professor in IT Department**, Maharaja Surajmal Institute of Technology, GGSIP University, New Delhi.
2. **5<sup>th</sup> September 2016 – 31<sup>st</sup> August, 2023: Associate Professor in IT Department**, Maharaja Surajmal Institute of Technology, GGSIP University, New Delhi.
3. **1 September 2007 – 4<sup>th</sup> September 2016:** Assistant Professor/ Reader in IT Department, Maharaja Surajmal Institute of Technology, GGSIP University, New Delhi. In this duration, I served following roles:
  - Reader in IT Department (Sep. 2007 – Dec. 2012)
  - Reader and HOD, IT Department (Jan. 2013 – July 2016)
4. **15 July-2004 – 31 August 2007:** Lecturer in IT Department, Maharaja Surajmal Institute of Technology, GGSIP University, New Delhi.
5. **28 July 2000 – 10 April 2003:** Lecturer in Punjab College of Information Technology, Punjabi University, Punjab.

## Achievements & Awards

1. Research Excellence award for publishing **quality research and grant of patent** for the year 2022.
2. Elevated to **IEEE Senior Member Grade** by IEEE Society on 26<sup>th</sup> June, 2022. Only 10% of IEEE's more than 4,00,000 members hold this grade, which requires extensive experience and reflects professional maturity and documented achievements of significance.
3. **AD Scientific ranking award** for the year **2022** in World Scientist and University Ranking 2023
4. Ranked among **Top 2% Researchers in the World** by **Stanford University Global Ranking for the year 2020**.
5. **AD Scientific ranking Award** for the year **2020** in World Scientist and University Ranking 2021.
6. National Level "**Best Researcher Award for the year 2021**" in **15th Rashtriya Shiksha Gaurav Puraskar Ceremony** held on 7<sup>th</sup> Sep., 2021 organized by Centre for Education Growth and Research (CEGR).

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7. Successfully conducted **JEE Main (Session-I and II) and CUET-2022 Exams.**
8. **Research Excellence Award** for the year 2019.
9. **Double Ph.D.** holder.
10. **Best Faculty award** for the year 2012 for outstanding contribution to the institution in the academics, Placements, Research & Publications and Extra Curricular areas.
11. Selected as an **Editor** of International Journal of Intelligent Information Systems.
12. Among the **top five rankers** every year in B. E. and received B.E. degree with Honors.
13. **Gold Medal** in Diploma.
14. **National Scholarship** in Matriculation.
15. Selected as a **Reviewer** for following Journals and reviewed various papers
  - a. **IEEE Transactions on Fuzzy Systems**
  - b. **IEEE Transactions on Emerging Topics in Computational Intelligence**
  - c. **IET Image Processing**
  - d. **Applied Soft Computing (ASOC), Elsevier Publisher.**
  - e. **NeuroComputing, Elsevier Publisher**
  - f. **Journal of Intelligent and Fuzzy Systems (JIFS), IOS Press**
  - g. **International Journal of Advance Computer Science and Applications**
  - h. **International Journal of Engineering and Technology Research (JETR), an Academic Journal.**
  - i. **International Journal of the Physics Sciences (IJPS), an Academic Journal.**
  - j. **Engineering with Computers**

### Research Scholars (M.Tech/ Ph.D. Thesis Supervised)

S. No	Full Name of the student	Title of the Thesis	Name of the host University	Year of Awarded	Supervisor/ Co-supervisor
<b>Ph. D. Supervised</b>					
1.	Mr. Kamlesh Upadhyay (2019)	Class Imbalance Problem in Binary Classification	Lingaya's Vidyapeeth University, Faridabad	Thesis submitted	Co-Supervisor
2.	Ms. Poonam Sharma	Lightweight Multi-key based Authentication Mechanism for	Chandigarh University, Punjab	Going On	Co-Supervisor

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	(2018)	Wireless Body Area Networks			
3.	Ms. Jyotsna Rathee (2019)	Soft Computing based Brain Tumor Identification	DCRUST, Murthal, Sonipat	Going On	Co-Supervisor
<b>M. Tech. Thesis Supervised</b>					
4.	Ms. Deepali Aneja	Image Segmentation of Noisy Digital Images using Fuzzy Clustering (M.Tech)	NSUT, Dwarka, New Delhi	2013	Co-Supervisor
5.	Ms. Jyoti	Review and Comparison of Fuzzy based Image Segmentation Techniques (M.Tech.)	Kurukshetra University	2014	Co-Supervisor

### Roles and Responsibilities held in the College

- **HoD (1 Sep., 2023 – Till date)**
- **Deputy HoD (2022 – Aug., 2023)**
- **NBA Coordinator of the department (2019-2023)**  
NBA co-ordinator for the department and handled all the processes which were required to file NBA documentation and its renewals.
- **Governing Body member (2021 – 2023)**  
Prepare the Agenda document for the meeting and organize the meeting. Preparing the minutes of meeting with the help of Director.
- **Convener of Examination Cell (2021-till date)**  
Conducting Mid-Term and End-Term Theory and Practical Examinations as guided by the University. Conducting various Entrance Examinations like JEE, CUET, CET etc. Communication with the University regarding any kind of Examination matter
- **Coordinator, ATAL sponsored one week Online FDP**  
Organized ATAL sponsored 1 week FDP on the topic “Internet of Things(IoT)-A Practical Approach. This was the first FDP organized in the college which is sponsored by ATAL (AICTE Training and Learning).
- **Convener of JAC (Joint Assessment Committee) Inspection in MSIT (2019-2021)**

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The Joint Assessment committee conducts JAC inspection in the college campus every year. From 2019, I am working as a convener who is responsible for every documentation required and inspection visits during that time.

➤ ***Convener of IP Affiliation Committee in MSIT (2019-2021)***

For the continuation of GGSIP Affiliation, I am responsible for every communication and documentation to be send to University.

➤ ***HOD – IT Department (Jan 2013- July 2016)***

Worked as Head of Information Technology Department from Jan 2013 to July, 2016. During this period, I handled many responsibilities like renewal and purchase of various academic softwares, handling department ISO activities, organizing various seminars and workshops for faculty and students at department level, organizing various industrial visits for the students.

➤ ***Convener, Insurance Committee (2017-2019)***

I was responsible for renewing insurance policies of MSIT building, Lifts, Fixtures, Computers and students.

➤ ***Co-convener of Annual Faculty convention Program (October 2019)***

Organized 2 days faculty convention program as a co-coordinator sponsored by ISTE.

➤ ***Member of E-Cell (2019 – November 2022)***

E-cell is the entrepreneurship cell of MSIT, which has started with the goal to initiate the spark of entrepreneurship and teach the students basic concepts, procedure, and terminology involved in entrepreneurial life, startups and ventures.

➤ ***Incubation Cell (2019 – Nov., 2022)***

Involved as a team member in incubation cell.

➤ ***Core member of NISP (National Innovation and Startup Policy)(2020 – November 2022)***

NISP initiative has started by AICTE. As a team member, I am involved in implementing this initiative for MSIT by exploring various ideas, creating policy as per AICTE guidelines etc.

➤ ***Core Technical Committee member of ICAIA (International Conference )(7-8 Feb., 2020)***

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I was the team member of Technical program committee of conference and was responsible for timely review of the assigned papers. I also organized a special session during the conference.

➤ ***In-Charge of Academic Audit in MSIT (2012-2018)***

Academic audit is conducted by GGSIP University every year. I worked as a convener for the year 2012, 2013, 2014, 2015, and 2016 and as co-convener for the year 2017 and 2018 who is responsible for handling Academic Audit affairs in the college.

➤ ***Convener, one week FDP (2018)***

Conducted 1 week faculty program sponsored by NITTTR and MHRD.

➤ ***Convener, Developer Student Club (DSC) (2017 – 2020)***

Developer Student Club, Maharaja Surajmal Institute of Technology (DSC-MSIT) is a community of college students powered by Google. DSC MSIT helps students to grow with the latest technology trends and student opportunities.

➤ ***Convener, one week FDP (2016)***

Conducted 1 week faculty program in collaboration with Computer Science department.

➤ ***Web site incharge (2004 – 2013)***

Responsible for updating and maintaining the web-site and uploading various notices time to time regarding admissions, attendances and other college affairs.

➤ ***Editor-in-Chief, SATYAM ( 2012-2013)***

SATYAM is the Research journal of MSIT, which started in 2012 year. I was the core team member who have started this research journal and worked as the Editor-in-chief of the journal for two consecutive years and released first two issues (Volume 1, No. 1 in July-Dec. 2012, Volume 1, No. 2 in Jan.- June 2013) of the SATYAM.

➤ ***Software Incharge***

Handling the responsibility for purchasing Softwares for IT and CSE branches for the year 2019-2020 and have done it many times before 2013 as a department responsibility.

➤ ***Convever, Avensis (2008)***

Avensis is the inter-college technical festival of MSIT, wherein many colleges from Delhi and NCR participate. I was responsible for conducting the activities held during the two days event including night activities.

➤ ***Editor-in Chief, Vision (2009)***

Vision is the college Annual magazine released by MSIT. I was responsible for doing every work required for printing the magazine which includes inviting various technical and non-

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technical articles, designing the pages, inviting quotations for printing the college magazine and going through the whole process of printing the magazine.

### ➤ *University Subject Co-ordinator*

Assigned the responsibility of setting paper for all the affiliated colleges of GGSIP University many times for the following subjects

- Mobile Computing
- E-Commerce and ERP
- Web Site Designing

➤ Other than the above major responsibilities I have also handled various other responsibilities at the department level and as a team member like *Project Co-ordinator, Placement co-ordinator, Proctor, Mentor, Sports and Cultural activities, Techfest.*

### Conferences / Workshops / Seminars Organized:

1. One week FDP on “Recent Advancements in Machine Learning and Artificial Intelligence” from 6-10 Feb., 2023 as a team member.
2. One week ATAL sponsored FDP on the topic “Internet of Things-A Practical Approach” from 6-10 Dec., 2021 as Convener.
3. One week AICTE/ISTE sponsored refresher program on “Skill Development for Entrepreneurs” from 27 Dec., 2021 to 1 Jan., 2022 as a Core Team member.
4. Invited talk / Expert Lecture on the topic “Role of IoT in Medical Sector” in 5 days Online FDP “IoT innovations and Implications for IT environment” organized by Amity University, Noida from 23<sup>rd</sup> – 27<sup>th</sup> August, 2021.
5. One week FDP on “Recent Advancements and Challenges in IT” from 8<sup>th</sup> March., 2021 to 12<sup>th</sup> March, 2021 as a team member
6. Conducted a special session in the International Conference on Artificial Intelligence and Applications (ICAIA 2020) on 7<sup>th</sup> Feb., 2020.
7. Two days faculty convention program sponsored by ISTE as a co-convener on 30-31 Oct., 2019.
8. One week FDP on “Data Science using R” sponsored by NITTTR from 26<sup>th</sup> Nov., 2018 to 30<sup>th</sup> Nov., 2018.



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9. One day expert lecture on “Latest Trends in IT” on 1<sup>st</sup> October, 2016 by Mr. Ashish Chopra, Erricsson, Gurgaon.
  10. One week FDP on “Emerging Trends in Information Technology” from 29<sup>th</sup> Feb., 2016 to 4<sup>th</sup> March, 2016.
  11. Special session on “Applications of Soft Computing: A fusion of Foundations, Methodologies and Applications” as a Chairperson during INDIACom-2016, 3<sup>rd</sup> International Conference on “Computing for Sustainable Global Development” sponsored by IEEE. (IEEE Conference ID:37465)
  12. Special session on “Advances in Speech, Image and Language Processing for Human Machine Communication” as a TPC (Technical Programme Committee) member during the Conference “CSI-2015” , held on 2<sup>nd</sup> -5<sup>th</sup> Dec., 2015, sponsored by CSI and NCR Chapters.
  13. One day workshop on “Basic Internet and Cyber Security” on 5<sup>th</sup> Nov., 2015 for 2<sup>nd</sup> year IT.  
Resource Person: i3indya Technologies.
  3. Inter-College Debate on “Who plays a vital role in developing a clear/transparent society – Citizen or System?” sponsored by BHEL on 29<sup>th</sup> Oct., 2015.
  4. One day Seminar on “Entrepreneurial Outlook Development” on 20<sup>th</sup> Nov., 2015.
  5. One day Expert Talk on “Microsoft .NET and First Interview Tips by Industry Experts” on 16<sup>th</sup> Oct., 2015.
  14. One day Seminar “Effective communication- Creating your personal branding, facing interviews, building your resume” on 30<sup>th</sup> Sep., 2015.
  15. One day seminar on “Software Reliability” on 21<sup>st</sup> March, 2015.
  16. One day seminar on “Agile ways of working in Industries” on 30<sup>th</sup> Jan., 2015.
  17. One day seminar on “Upcoming Technologies in IT” on 17<sup>th</sup> Nov., 2014.
  18. One day seminar on “Stress & Anger Management and SWOT Analysis” on 16<sup>th</sup> Oct., 2014.
  19. One day seminar on “Current Trends and Technologies” on 27<sup>th</sup> Aug., 2014.
  20. Two days Workshop on “Hack-A-Thon” on 12<sup>th</sup> – 13<sup>th</sup> April, 2014.
  21. One day seminar on “Personal Branding and Entrepreneurship” on 21<sup>st</sup> March, 2014.
  22. One day seminar on “Latest Trends in IT (Big Data, Hadoop, Windows Azure)” on 7<sup>th</sup> Sep., 2013.

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23. One day seminar on “Microsoft Internship Preparation” on 29<sup>th</sup> Aug., 2013.
24. One day seminar on “Android Application and its market” on 14<sup>th</sup> Aug., 2013.
25. One day seminar on “Web Usage Mining” on 9<sup>th</sup> March, 2013
26. One day seminar on “Case Study: Communication Media & Internet” on 20<sup>th</sup> April, 2012.
27. One day seminar on “Green Computing” on 01<sup>st</sup> Oct., 2011.
28. One day seminar on “Cloud Computing” on 20<sup>th</sup> Nov., 2010.
29. One day seminar on “ERP” on 20<sup>th</sup> Nov., 2004.

### BOOKS and JOURNALS PUBLISHED:

S No.	Title of Book/Journal	Publisher	National/ International	Volume and Issue no. (in case of journal)	Year of Publicatio n
1.	Data Wrangling- Concepts, Applications and Tools ISBN: 978-1- 119-87968-8	Wiley, Scrivener  (Scopus Indexed)	International	-	2023
2.	Robust Data Clustering ISBN: 978-3-659-32377-5	LAMBERT Academic Publishing, Germany	International	-	2013
3.	Kernel based Fuzzy Clustering for Robust Image Segmentation  ISBN: 978-3-659- 28160-0	LAMBERT Academic Publishing, Germany	International	-	2012
4.	Satyam, College Research Journal	MSIT	College, Editor-in-Chief	Volume 1, Number 1	2012
5.	Satyam, College Research Journal	MSIT	College, Editor-in-Chief	Volume 1, Number 2	2013

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## MEMBERSHIP OF PROFESSIONAL BODIES:

S No.	Name of the Professional Body	Member/Fellow	Remarks
1.	IEEE	Senior Member	Membership ID:90526150
2.	CSI	Lifetime Member	Membership ID: I1500056
3.	ISTE	Lifetime Member	Membership ID: LM 89810
4	CEGR	Lifetime Member	Membership ID: LT1119

## Workshop/Conference/FDP Attended:

Sr. No	Title of QIP/FDP/Workshop	Duration	Organization
1	Blockchain and its Applications	12 week (Jan.-April 2023)	Swayam
2	Re-Inventing Education Paradigm in India	20-24 Feb., 2023	MSI
3	Recent Advancement in Machine Learning and Artificial Intelligence	6-10 Feb., 2023	MSIT
4	Industrial training program on Deep Learning	21 <sup>st</sup> Nov., 3 <sup>rd</sup> Dec., 2022	Brain Mentors
5	Accreditation of Undergraduate Engineering Programme	8 week (July-Sep. 2022)	Swayam
6	Introduction to IoT	12 week (July.-Oct. 2022)	Swayam
7	Computer Networks and Internet Protocol	12 week (Jan.-April 2022)	Swayam
8	Database Management System	8 week (Jan.-March 2022)	Swayam
9	Internet of Things(IoT)- A practical Approach	One week (Dec. 6-10, 2021)	MSIT. (ATAL)
10	Workshop on Data Science	15-26 Nov., 2021	Brain Mentors
11	Python for Data Science	4 week (July-Aug 2021)	Swayam
12	Data Analytics	One week (July 5-July 9, 2021)	Centre of E-Governance (ATAL)
13	Online Orientation Training programme for Mentors	One week (June 21-25, 2021)	AICTE
14	Internet of Things using Raspberry Pi	One week (March 30-April 3, 2021)	FinLand Labs
15	Recent Advancements and Challenges in IT	One week (March 8-12, 2021)	IT, MSIT

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16	Refresher/Induction program on Use of ICT in Engineering Education	6 days (Feb., 24 – March 2, 2021)	ISTE/AICTE Sponsored
17	Sensors Technology	One week (Jan. 4-8, 2021)	SRM institute of Sci. & Tech. (ATAL)
18	Data Science using Python	One week (Dec. 28-Jan 1, 2021)	4Achievers Pvt. Ltd
19	Internet of Things (IoT)	One week (Dec. 7-11, 2020)	IIIT, Allahabad (ATAL)
20	Deep learning using Medical Data	One week (Nov. 16-20, 2020)	IIT, Roorkee
21	Refresher Course: Internet of Things: A project based learning using Virtual IOT lab	10 days( 8-17 July, 2020)	NITTTR, Chandigarh
22	Evaluation and Setting of Question Papers	One week AICTE and MHRD sponsored FDP ( May 25 <sup>th</sup> to 29 <sup>th</sup> 2020)	NITTTR, Chandigarh
23	Big Data Analysis	One week AICTE and MHRD sponsored FDP ( May 18 <sup>th</sup> to 22 <sup>nd</sup> 2020)	NITTTR, Chandigarh
24	Research oriented project Work	One week AICTE and MHRD sponsored FDP ( May 11 <sup>th</sup> to 15 <sup>th</sup> 2020)	NITTTR, Chandigarh
25	Cloud, Fog and Edge Computing	One week AICTE and MHRD sponsored FDP ( April 14 <sup>th</sup> to 18 <sup>th</sup> 2020)	NITTTR, Chandigarh
26	Neural Network and CNN	One week AICTE and MHRD sponsored FDP ( April 09 <sup>th</sup> to 13 <sup>th</sup> 2020)	NITTTR, Chandigarh
27	Machine Learning using Python	One week AICTE and MHRD sponsored FDP ( March 02 <sup>nd</sup> to 6 <sup>th</sup> 2020)	Brain Mentors Pvt. Ltd.
28	Faculty Development: Planning and Management for Institutional Excellence	One week AICTE and MHRD sponsored FDP ( Nov. 18 <sup>th</sup> to 22 <sup>nd</sup> Nov. 2019)	NITTTR, Chandigarh
29	Contemporary Issues and Challenges in Management, Education and Information Technology	One week FDP ( Feb. 05 <sup>th</sup> to 9 <sup>th</sup> 2019)	MSIT
30	Open Source Technologies	One week AICTE and MHRD sponsored FDP ( Dec. 03 <sup>rd</sup> to 7 <sup>th</sup> Dec. 2018)	NITTTR, Chandigarh
31	Data Science using R	One week AICTE and MHRD sponsored FDP (	NITTTR, Chandigarh

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		Nov. 26 <sup>th</sup> to 30 <sup>th</sup> Nov. 2018)	
32	Modeling and Simulation using Matlab through ICT	One week AICTE and MHRD sponsored FDP ( May 21st to 25th May 2018)	NITTTR, Chandigarh
33	Wireless Networks	One week AICTE and MHRD sponsored FDP (22 <sup>nd</sup> May,2017-26 <sup>th</sup> May, 2017)	NITTTR, Chandigarh
34	Web based Designing	One week AICTE and MHRD sponsored FDP (15 <sup>th</sup> May,2017-19 <sup>th</sup> May, 2017)	NITTTR, Chandigarh
35	Use of ICT in Education for Online and Blended learning	Four week AICTE and MHRD approved FDP (2 <sup>nd</sup> May, 2016 – 10 <sup>th</sup> July, 2016)	<b>IIT, Bombay (Held under MHRD)</b>
36	Artificial Neural Networks	One week AICTE and MHRD sponsored FDP (25 <sup>th</sup> April.,2016-29 <sup>th</sup> April, 2016)	NITTTR, Chandigarh
37	Emerging trends in Information Technology	One week ISTE & GGSIPU sponsored FDP (29 <sup>th</sup> Feb.,2016-4 <sup>th</sup> March, 2016)	MSIT
38	Scilab Programming	One week AICTE approved on “SciLab Programming (Nov 16, 2015 to Nov. 20, 2015)	NITTTR, Chandigarh
39	7 QC Tools	One Day (10 <sup>th</sup> Nov., 2014)	QGS Training Institute
40	Computer Programming	Two weeks ISTE Workshop (May 20, 2014 to June 21, 2014)	<b>IIT, Bombay (Held under MHRD)</b>
41	Implementation on Sensor Networks using NS2	Two Days Workshop 25-26 April, 2014	MSIT
42	Developments and Challenges in Cloud Computing	One Week QIP (June 10, 2013 to June 14, 2013)	<b>IIT, Roorkee</b>
43	Research Methods and data Analysis using SPSS	Two Days Workshop (09-10 Nov., 2012)	MSIT
44	Android technology and Mobile application	Two Days Workshop (11-12 Sep., 2012)	MSIT

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45	Recent Trends in Mobile and Web Technology	One day FDP (10th March, 2012)	MSI
46	Emerging Technologies	One day FDP (3 <sup>rd</sup> March, 2012)	BVP conducted by TCS
47	Human Values and Professional Ethics	One day FDP (4th Feb., 2012)	MSIT
48	MATLAB & Simulink for Engineering Education	One Day (18 <sup>th</sup> August, 2011)	MathWorks India Pvt. Ltd.
49	Dale Carnegie Training “High Impact Teaching Skills” Mission-10x (Advance Workshop)	Two days (11-12 Nov., 2010)	Wipro
50	Emerging Trends in Technical Education	One Day (8 <sup>th</sup> May, 2010)	MSIT
51	Dale Carnegie Training “High Impact Teaching Skills” Mission-10x	One Week Workshop (08-12 Feb., 2010)	Wipro Technologies

### Courses Taught at UG and PG level

1. Cloud Computing
2. Web Engineering
3. Mobile Computing
4. Computer Networks
5. Advance Computer Networks
6. Data Base Management System
7. Java Programming
8. Object Orientation through C++
9. E-Commerce and ERP
10. Introduction to Programming

### Area of Interest

1. Data Mining
2. Fuzzy Logic
3. Soft Computing
4. Image Processing
5. Class Imbalance Problem
6. Medical Imaging
7. Classification and Clustering

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**Marital status** : Married

**Sex** : Female

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## Annexure-1

### Patent Granted

1. Dr. Anupama Kaushik, Dr. Prabhjot Kaur Sidhu, Mr. Rakshit Satija, Dr. Nitul Dutta, Dr. Anil Kumar, “**AN EDGE COMPUTING BASED AUTOMATION SYSTEM FOR DENTAL SERVICES**” Patent Number: **396037** (Patent filed on 03/06/2021 & Published on 18/06/2021, Application No: 202111024736, The Patent Office Journal No. 25/2021 dated 18/06/2021, Part 1 & Page No: 27304) .

### Patent Published

1. Dr. Prabhjot Kaur, Ronish Singh, Dr. Anupama Kaushik, Dr. Puneet Azad, Dr. Kavita Sheoran, Prof. Kamaljit Singh, Prof. Krishan pal Singh, “**IoT BASED SMART COMPLAINT BOX**” (Patent No.:, filed on 15/01/2021 & Published on 22/01/2021, Application No: **202111001925**, The Patent Office Journal No. 04/2021 dated 22/01/2021, Part 1 & Page No: 3103)
2. Dr. Prabhjot Kaur, Dr. Gaurav Dubey, Mr. Harivans Pratap singh, Dr. Charu Aggarwal, Dr. Vikas Yadav, Dr. Kavita Sheoran, Dr. Geetika Dhand, Ms. Shaily Malik, “**IoT BASED SMART SHOES FOR CHILD HEALTH MONITORING**” (Patent filed on 20/03/2021 & Published on 26/03/2021, Application No: **202111011966**, The Patent Office Journal No. 13/2021 dated 26/03/2021, Part 1 & Page No: 15291)
3. Dr. Gaurav Dubey, Mr. Harivans Pratap Singh, Dr. Anil Kumar, Dr. Prabhjot Kaur, Dr. Kavita Sheoran, Dr. Geetika Dhand, Dr. Anupama Kaushik, Ms. Gitanjali Sharma “**METHOD AND ELECTRONIC DEVICE FOR MONITORING USER IN WORK SITE**” (Patent filed on 20/03/2021 & Published on 26/03/2021, Application No: **202111011965**, The Patent Office Journal No. 13/2021 dated 26/03/2021, Part 1 & Page No: 15290)
4. Dr. Gaurav Dubey, Mr. Harivans Pratap Singh, Dr. Akash Punhani, Dr. Prabhjot Kaur, Dr. Kavita Sheoran, Dr. Geetika Dhand, Dr. Anupama Kaushik, Dr. Nishtha Jatana, “**METHOD AND ELECTRONIC DEVICE FOR PERSONALIZING USER ACTIVITY IN VIRTUAL**” (Patent filed on 20/03/2021 & Published on 26/03/2021, Application No: **202111011967**, The Patent Office Journal No. 13/2021 dated 26/03/2021, Part 1 & Page No: 15292)
5. Dr. Naresh Kumar, Dr. Prabhjot Kaur, Dr. Adeel Hashmi, Dr. Neeru Rathee, Dr. Sudesh Pahal, Dr. Jyoti Yadav “**POINT TO POINT REGRESSION ANALYSIS-BASED BIG DATA PROCESSING USING MACHINE LEARNING**” (Patent filed on 18/04/2021 & Published on 21/05/2021, Application No: **202111017897**, The Patent Office Journal No. 21/2021 dated 21/05/2021, Part 1 & Page No: 24151)
6. Dr. Gaurav Dubey, Dr. Monika Arora, Dr. Prabhjot Kaur Sidhu, Dr. geetika Dhand, Dr. Kavita Sheoran, Dr. Anupama Kaushik, Pooja Kherwa, Sonika Malik, Surender Singh, Preeti



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Rathee, “**METHOD FOR TRANSLATING SIGN LANGUAGE USING CONVOLUTIONAL NEURAL NETWORK**” (Patent filed on 15/09/2021 & Published on 15/10/2021, Application No: **202111041578**, The Patent Office Journal No. 42/2021 dated 15/10/2021).

7. Dr. Prabhjot Kaur Sidhu, Dr. Anupama Kaushik, Ms. Shivani Chauhan, Mr. Ayush Das, Dr. Kavita Sheoran, Dr. Geetika Dhand, “**IOT BASED E-CHALLAN SYSTEM FOR REAL-TIME FACE MASK DETECTION FOR TRANSPORT ENFORCEMENT**” (Patent filed on 16/05/2022 & Published on 20/05/2022, Application No: **202211028015**)

### Research Papers Published in International/National Journals

( Citations: 680 H-index: 16, i10-index: 23)

1. Kaur P., Kaushik, A. and Singh R. (2023), “**Smart Complaint Box based on IoT and Cloud service to notify complaints**”, International Journal of Systems Assurance Engineering and Management, ISSN: 0976-4348, **UGC-CARE, SCOPUS, ESCI Indexed**
2. S. Christal, G. Uma, P. Kaur and A. Kaushik (2023), “**Heart Diseases diagnosis using Chaotic Harris Hawk optimization with E-CNN for IoMT framework**”, Information technology and Control, Vol. 52, Issue:2, pp. 500-514. ISSN: 2335-884X, **SCIE Indexed (IF: 1.1), UGC-CARE** DOI: <https://doi.org/10.5755/j01.itc.52.2.32778>
3. Kaur P. et al.(2023), “**Talk Over: A Voice Chat Web Application based on WebRTC**”, International Journal of Computer Applications, Vol. 185, No. 15, pp. 54-58, ISSN: 0975-8887. DOI: 10.5120/ijca2023922844, **GoogleScholar**
4. Kaur P. et al.(2023), “**Sign language Translator using Machine Learning for communication with Deaf People**”, International Journal of Computer Applications, Vol. 185, No. 6, pp. 26-30, ISSN: 0975-8887. DOI: 10.5120/ijca2023922714, **GoogleScholar**
5. Upadhay K., Kaur P., Sachdeva R. (2022), “**Fast and Robust Fuzzy-based Hybrid Data-level Method to Handle Class Imbalance**”, International Journal of Advanced Computer Science and Applications, Vol. 13, No. 6, pp. 65-74, 2022. ISSN: 2156-5570, **UGC-CARE, SCOPUS, ESCI Indexed**
6. Kaushik, A., Kaur, P., Choudhary, N., Priyanka (2022), “**Stacking Regularization in Analogy Based Software Effort Estimation**”, Soft Computing, Vol. 26, pp. 1197-1216, 2022. **SCIE Indexed (IF: 3.643), UGC-CARE** ISSN: 1433-7479.
7. Malik, S., Kaushik, A., Kaur,P. (2022), “**Improving Scalability Using Inference Algorithms**”, NeuroQuantology, Vol. 20, No. 19, pp. 1056-1071, 2022, **GoogleScholar**,
8. Kaushik, A., Malik, S., Kaur,P. Gajwal, P., Sharma, R. (2022), “**Higgs Boson Detection by Different Machine Learning Algorithms**”, NeuroQuantology, Vol. 20, No. 15, pp. 6714-6725, 2022, **GoogleScholar**..
9. Kaur, P., Joshi, V. and Sabani T (2022), “**Decentralized Internet: An Extension of BitTorrent Network**”, GIS Science Journal, Vol. 9, Issue 1, pp. 335-343, ISSN: 1869-9391. DOI: **20.18001.GSJ.2022.V9I1.22.38506**. **GoogleScholar**,

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10. Kaur, P., Sahni, H.S., Attri, H., Kandpal, G. and Negi, G. (2022), “**Assessment of Filtering based approaches for Movie Recommendation System**”, GIS Science Journal, Vol. 9, Issue 1, pp. ISSN: 1869-9391. DOI: **20.18001.GSJ.2022.V9I1.22.38528** [GoogleScholar](#),
11. Upadhay K., Kaur P., Verma D. K. (2022), “**Evaluating the Performance of Data level methods using KEEL Tool to address Class Imbalance Problem**”, Arabian Journal for Science and Engineering, Springer. **SCIE Indexed (IF: 2.9)**, **UGC-CARE** ISSN: 2191-4281.
12. Upadhay K., Kaur, P. and Prasad SVAV (2021), “**State of the Art on Data level methods to address Class Imbalance Problem in Binary Classification**”, GIS Science Journal, Vol. 8, Issue 3, pp 875-903. ISSN: 1869-9391. DOI: **20.18001.GSJ.2021.V8I3.21.36755** [GoogleScholar](#),
13. Kaur, P., Chaira, T. (2020), “**A novel fuzzy approach for segmenting medical images**”, Soft Comput (2021), Vol. 25, pp 3565-3575. <https://doi.org/10.1007/s00500-020-05386-6>. Springer, **SCIE Indexed (IF: 3.643)**, **UGC-CARE** ISSN: 1433-7479.
14. Kaur P., Gosain A. (2020), “**GT2FS-SMOTE: An Intelligent Oversampling approach based upon General Type2 Fuzzy Sets to detect Web Spam.**”, Arabian Journal for Science and Engineering 46, 3033-3050 (2021), Springer. **SCIE Indexed (IF: 2.9)**, **UGC-CARE** ISSN: 2191-4281.
15. Kaur, P., Gosain, A. (2020), “**Robust hybrid data-level sampling approach to handle imbalanced data during classification**”, Soft Comp. 24, 15715-15732 (2020). <https://doi.org/10.1007/s00500-020-04901-z>. Springer, **SCIE Indexed (IF: 3.643)**, **UGC-CARE** ISSN: 1433-7479.
16. Kaur P, Sharma P, Palmia A. (2020), “**Fuzzy clustering-based image segmentation techniques used to segment magnetic resonance imaging/computed tomography scan brain tissues: Comparative analysis.**”, Int J Imaging Syst Technol, 30 (4), 1294-1323, 2020. <https://doi.org/10.1002/ima.22439> **SCIE Indexed (IF: 2.0)**, **UGC-CARE** ISSN: 1098-1098
17. Kaur P., Gosain A. (2019), “**FF-SMOTE: A Meta-heuristic approach to combat Class Imbalance in Binary Classification**”, Applied Artificial Intelligence, Vol. 33, issue 5, pp. **420-439**, DOI: [10.1080/08839514.2019.1577017](https://doi.org/10.1080/08839514.2019.1577017), Taylor & Francis. **SCIE Indexed (IF: 1.580)**, **UGC-CARE**. ISSN: 1087-6545
18. Kaur, Prabhjot, Soni A.K., Gosain, Anjana (2013), “**Robust Kernelized approach to Clustering by Incorporating new Distance measure**” *Engineering Applications in Artificial Intelligence* 26 (2013), pp 833-847. ISSN: 0952-1976. **SCIE Indexed (IF: 6.212)**, **UGC-CARE**.
19. Kaur P., Gosain A. (2019), “**Empirical Assessment of Ensemble based Approaches to Classify Imbalanced Data in Binary Classification**”, International Journal of Advanced Computer Science and Applications, Vol. 10, No. 3, pp. 48-58, 2019. ISSN: 2156-5570 (**UGC-CARE**), **SCOPUS**, **ESCI Indexed** DOI: [10.14569/IJACSA.2019.0100307](https://doi.org/10.14569/IJACSA.2019.0100307)
20. Kaur, P. and Gosain, A. (2018) ‘**An intelligent undersampling technique based upon intuitionistic fuzzy sets to alleviate class imbalance problem of classification with noisy environment**’, Int. J. Intelligent Engineering Informatics, Vol. 6, No. 5, pp.417–433, Inderscience, **ESCI Indexed**.

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<https://scholar.google.com/citations?hl=en&user=8YIxtRUAAAAJ>

21. Kaur, Prabhjot, Soni A.K., Gosain, Anjana (2013), “**Image Segmentation of Noisy Digital Images using Extended fuzzy c Means Clustering Algorithm**” *International Journal of Computer Applications in Technology (IJCAT)*, Vol. 47, Nos. 2/3, pp. 198-205. ISSN: 0952-8091. Indexed in **UGC-CARE, ESCI, SCOPUS**, DBLP, Ei COMPENDEX, INSPEC (IEE). SJR: 0.25 Publisher: INDERSCIENCE (UK) (DOI: 10.1504/IJCAT.2013.054352)
22. Prabhjot Kaur and Anjana Gosain (2018), “**Issues and challenges of class imbalance problem in classification**”, *International Journal of Information Technology*, Vol. 14, pp. 539-545, (2018), **UGC-CARE, Scopus, Springer, IET Inspec, DOAJ**, GoogleScholar ISSN: 2511-2104. <https://doi.org/10.1007/s41870-018-0251-8>.
23. Prabhjot Kaur, Jasleen Kaur, Anubha Singhal (2017), “**Spam Detection on Twitter Using Fuzzy Logic**”, Published in *International Journal of Trend in Research and Development (IJTRD)*, Vol. 4, issue 4, pp. 660-663, 2017, ISSN: 2394-9333.
24. Prabhjot Kaur (2017), “**Intuitionistic fuzzy sets based credibilistic fuzzy C-means clustering for medical image segmentation**”, *International Journal of Information Technology*, (2017), Vol. 9, pp: 345-351 DOI: 10.1007/s41870-017-0039-2, **UGC-CARE, Scopus, Springer, IET Inspec, DOAJ**, GoogleScholar.
25. Kaur Prabhjot (2016), “**Enhancing Spatial FCM using Intuitionistic Fuzzy sets**”, *International Journal of Computer Science and Network*, Vol. 5, Issue 1, 2016. **Indexed in DOAJ, GoogleScholar**
26. Kaur Prabhjot (2016), “**Improved version of kernelized Fuzzy c means using Credibility**”, *International Journal of Computer Science and Network*, Vol. 5, Issue 1, 2016. **Indexed in DOAJ, GoogleScholar.**
27. Kaur, P., Gosain, A. (2011), “**A Density Oriented Fuzzy C-Means Clustering Algorithm for Recognizing Original Cluster Shapes from Noisy Data**” *International Journal of Innovative Computing and Applications (IJICA)*, INDERSCIENCE ENTERPRISES, Vol. 3, No. 2, pp.77–87. ISSN (Online): 1751-6498, Indexed in **UGC-CARE, SCOPUS**, Ei COMPENDEX, INSPEC (IEE), ACM Digital Library. SJR: 0.33 (Brazil)
28. Kaur, Prabhjot, Soni A.K., Gosain, Anjana (2012), “**Novel Intuitionistic Fuzzy C-Means Clustering for Linearly and Nonlinearly Separable data**”, *WSEAS Transactions of Computers*, March 2012, Vol. 11, Issue 3, pp: 65-76 E-ISSN: 2224-2872, ISSN: 1109-2751. Indexed in **GoogleScholar**, Ei COMPENDEX, INSPEC (IEE), ACM Digital Library. SJR: 0.22.
29. Kaur, Prabhjot, Shashank Sharma and Megha Goel (2013), “**Performance comparison of various data clustering algorithms**” *International Journal of Intelligent Systems and Applications (IJISA)*, June 2013, Vol.5, No.7 pp: 63-71. ISSN: 2074904X. Indexed in **GoogleScholar, INSPEC, DOAJ**, GoogleScholar, JournalSeek.(HongKong) (DOI: 10.5815/ijisa.2013.07.09)
30. Kaur, Prabhjot, Jain Ankit, Mittal Sonia (2012), “**Touchless Fingerprint Analysis- A Review and Comparison**” *International Journal of Intelligent Systems and Applications (IJISA)*, June 2012, Vol.4, No.6 pp: 46-52. ISSN: 2074904X. Indexed in **GoogleScholar, INSPEC, DOAJ**, GoogleScholar, JournalSeek. (DOI: 10.5815/ijisa.2012.06.06)

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31. Kaur, Prabhjot and Nimmi Chhabra (2012), “**Image Segmentation Techniques for Noisy Digital Images based upon Fuzzy Logic- A Review and Comparison**” International Journal of Intelligent Systems and Applications (IJISA), *June 2012, Vol.4, No. 7 pp: 30-36*. ISSN: 2074904X. Indexed in [GoogleScholar](#), INSPEC, DOAJ, GoogleScholar, JournalSeek. (DOI: 10.5815/ijisa.2012.07.04)
32. Kaur, Prabhjot, Pallavi Gupta and Poonam Sharma (2012), “**Review and Comparison of Kernel Based Fuzzy Image Segmentation Techniques**” International Journal of Intelligent Systems and Applications (IJISA), *June 2012, Vol.4, No. 7 pp: 50-60*. ISSN: 2074904X. Indexed in [GoogleScholar](#), INSPEC, DOAJ, GoogleScholar, JournalSeek. (DOI: 10.5815/ijisa.2012.07.07)
33. Kaur, Prabhjot, Lamba I.M.S., Gosain, Anjana (2011), “**DOFCM: A Robust Clustering Technique based upon Density**”, IACSIT *International Journal of Engineering and Technology (IJET)*, *June 2011, vol. 3, no.3, pp. 297-303, 2011*. ISSN: 09754024. Indexed in [GoogleScholar](#)
34. Kaur, Prabhjot, Lamba I.M.S., Gosain, Anjana (2011), “**A Novel Kernelized Type-2 Fuzzy C-Means Clustering Algorithm in Segmentation of Noisy Brain Tissues**”, *International Journal of Science, Technology and Management (IJSTM)*, *July 2011, vol. 2, issue 3, pp.76-85, 2011*. ISSN: 2229-6646. Indexed in [GoogleScholar](#).

### Research Papers Published in Book Chapters

1. Kaur P., Kaushik A., Kapoor A. (2023), **Skills and Responsibilities of Data Wrangler”, Data Wrangling & its Concepts, Applications and Tools, Wiley Scrivener, ISBN: 9781119879688. [Scopus Indexed](#)**
2. Sharma P., Kaur P., Saini K. (2021) **Secure Protocols for Biomedical Smart Devices**. In: Kumar, Singh, Saini (eds) *Cybersecurity: Ambient Technologies, IoT, and Industry Implications*, Tayler and Francis, [CRC Press, ISBN 9781003145042](#)
3. Kaur P., Gosain A. (2018) **Comparing the Behavior of Oversampling and Undersampling Approach of Class Imbalance Learning by Combining Class Imbalance Problem with Noise**. In: Saini A., Nayak A., Vyas R. (eds) *ICT Based Innovations. Advances in Intelligent Systems and Computing*, vol 653. [Scopus Indexed, Springer, Singapore](#). ISBN 978-981-10-6602
4. Prabhjot Kaur, Vishakha Sharma, Nishtha Garg (2018), “**Malanoma skin cancer detection using image processing**” In: S. Urooj and J. Virmani (eds) *Sensors and Image Processing, Advances in Intelligent Systems and Computing*, vol 651. [Springer, Singapore](#). ISBN 978-981-10-6614

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<https://scholar.google.com/citations?hl=en&user=8YIxtRUAAAAJ>

## Research Papers Published in International/National Conferences

1. P. Sharma, K. S. Saini and P. K. Sidhu (2023), "**Fuzzy rule-based grey wolf(GW-FIS) in Wireless Body Area Networks**," IEEE 8th I2CT, India, 2023, 7-9 April. **Indexed in IEEEExplore**. DOI: <https://doi.org/10.1109/I2CT57861.2023.10126361>. ISBN: 979-8-3503-3401-2
2. P. Kaur, M. Namboori, A. Pandey and K. Tyagi (2023), "**Deep Learning based Smart Attendance System**", WCAIAA2023 (World Conference on Artificial Intelligence: Advances and Applications, March 18-19, 2023. Indexed in Springer
3. P. Sharma, K. S. Saini and P. K. Sidhu (2022), "**Authentication mechanisms used in Wireless Body Area Networks: a study**," *The 3rd International Conference on Distributed Sensing and Intelligent Systems (ICDSIS 2022)*, Hybrid Conference, Sharjah, United Arab Emirates, 2022, pp. 282-291, doi: 10.1049/icp.2022.2478. **Indexed in IET and IEEEExplore**. ISBN: 978-1-83953-818-6
4. Prabhjot Kaur, Aditya Kapoor, Yash Solanki, Piyush Singh and Devansh Sehgal (2022), "**Deep Learning Based emotion detection in an Online Class**", IEEE DELCON2022, conference, 11-13 Feb., 2022, NSUT, sector-3, Dwarka, New Delhi, India. **Indexed in IEEEExplore (Presented)** ISBN: 978-1-6654-5883-2
5. Jyotsna Rathee, Prabhjot Kaur, Ajmer Singh (2022), "**Evaluating the performance of Fuzzy Clustering using different distance metrics for image segmentation**", IEEE ICONAT 2022, pp. 1-5, conference, 21-22 January, GOA, India. **Indexed in IEEEExplore, ISBN:978-1-6654-2577-3**
6. Suyash Kumar, Prabhjot Kaur, Anjana Gosain (2022), "**A Comprehensive Survey on Ensemble Method**", IEEE 2022 7th International Conference for Convergence in Technology (I2CT), Pune, Maharashtra, India. **Indexed in IEEEExplore (Presented) ISBN: 978-1-6654-2168-3**
7. Suyash Kumar, Prabhjot Kaur, Anjana Gosain (2021), "**Comparative Study of Bagging Ensemble and ARIMA model for prediction of Covid-19 in India**", 2nd Global Conference on Artificial Intelligence and Applications (GCAIA2021), 8-10 September, 2021, pp. 235-242, Jaipur, Rajasthan, Taylor and Francis, CRC press
8. Upadhyay K., Kaur, P. and Prasad SVAV (2021), "**A Review on Data Level Approaches to address the Class Imbalance Problem**", in International Conference on Recent Challenges in Engineering Science and Technology(ICRCEST2021), pp. 152-158, 9-10 April 2021, RCE, Eluru, AP, India, **Scopus indexed**. ISBN:978-93-90214-20-4.**(Presented)**
9. P. Kaur, A. Singhal and J. Kaur, "**Spam detection on Twitter: A survey**," *2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, India, 2016, pp. 2570-2573 **Indexed in IEEEExplore**
10. P. Kaur, V. Sharma and N. Garg, "**Platelet count using image processing**," *2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, India, 2016, pp. 2574-2577. **Indexed in IEEEExplore**

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<https://scholar.google.com/citations?hl=en&user=8YIxtRUAAAAJ>

11. P. Kaur and A. Gupta, "Survey of fuzzy based techniques to address Class Imbalance Problem," *2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, India, 2016, pp. 2602-2604. Indexed in **IEEEExplore**
12. P. Kaur and V. Negi, "Techniques based upon boosting to counter class imbalance problem — A survey," *2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, India, 2016, pp. 2620-2623. Indexed in **IEEEExplore**
13. Prabhjot Kaur, I.M.S. Lamba, and Anjana Gosain (2012), "Gaussian Kernel based Intuitionistic Fuzzy C-Means Clustering Algorithm in Segmentation of Noisy Digital Images", *International Conference on Computer Applications (ICCA2012)*, January 27-31, Pondicherry, India. Indexed in **ACM Digital Library, GoogleScholar**.
14. Prabhjot Kaur, I.M.S. Lamba, and Anjana Gosain (2011), "A Robust Method for Image Segmentation of Noisy Digital Images", *2011 IEEE International Conference on Fuzzy Systems*, pp. 1656-1663, July 27-30, Taipei, and Taiwan. Indexed in **SCOPUS, IEEEExplore, IET INSPEC, DBLP. SJR: 0.03 ISSN 1098-7584, ISBN: 978-1-4244-7317-5**
15. Prabhjot Kaur, I.M.S. Lamba, and Anjana Gosain(2011), "Kernelized Type-2 Fuzzy C-Means Clustering Algorithm in Segmentation of Noisy Medical Images", *IEEE Recent Advances in Intelligent Computational Systems (RAICS2011)*, pp. 493-498, Sep. 22-24, Trivandrum, Kerela, INDIA. Indexed in **SCOPUS, IET INSPEC, IEEEExplore**. ISBN 978-1-4244-9478-1
16. Prabhjot Kaur, A. K. Soni, and Anjana Gosain(2011), "Robust Intuitionistic Fuzzy C-Means Clustering for linearly and nonlinearly Separable Data", *International Conference on Image Information Processing (ICIIP)*, Nov. 3-5, Shimla, Himachal Pradesh, INDIA. Indexed in **SCOPUS, IET INSPEC, IEEEExplore**. ISBN 978-1-61284-859-4
17. Prabhjot Kaur and Anjana Gosain (2010), "Density Oriented Approach to Identify Outliers and Get Noiseless Clusters in Fuzzy C- Means", *2010 IEEE International Conference on Fuzzy Systems*, July 18-23, Barcelona, Spain. Indexed in **SCOPUS, IEEEExplore, IET INSPEC, DBLP. SJR: 0.03, ISBN: 978-1-4244-8126-2**
18. Prabhjot Kaur and Anjana Gosain (2009), "Improving the Performance of Fuzzy Clustering Algorithms through Outlier Identification", *2009 IEEE International Conference on Fuzzy Systems*, pp. 373-378, 20-24 August 2009, Korea. Indexed in **SCOPUS, IEEEExplore, IET INSPEC, DBLP. SJR: 0.03, ISBN: 978-1-4244-3597-5**
19. Prabhjot Kaur (2008), "DFCM: Density based Approach to Identify Outliers and to Get Efficient Clusters in Fuzzy Clustering", *2008 IEEE/WIC/ACM International Conference on web Intelligence*, pp. 906-909, 9-12 December 2008, Sydney, Australia. Indexed in **SCOPUS, IEEEExplore, Ei COMPENDEX, ISTP, DBLP., ISBN: 978-0-7695-3496-1**
20. Prabhjot Kaur, Ankit Jain and Sonia Mittal (2012), "Review of Touchless Fingerprint Recognition System", National Conference on Computing for Nation Development (INDIACom 2012)", to be held at Bharti Vidhya Peeth PP: 359-364, on 23-24 February, 2012, New Delhi, INDIA. ISSN: 0973-7529
21. Prabhjot Kaur and Nimmi Chhabra (2011), "A Review and Comparison of Fuzzy based Image Segmentation Techniques of Noisy Digital Images", National Conference on

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<https://scholar.google.com/citations?hl=en&user=8YIxtRUAAAAJ>

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Challenges in Information Systems and Technology (NCCIST 2011), pp 26-31, Sep. 09, 2011, New Delhi, INDIA. ISBN 978-81-906991-3-6.

22. Prabhjot Kaur and Anupama Kaushik (2008), “**A Review of Outlier Handling clustering Techniques**”, National Conference on Architecturing Future IT Systems (NCAFIS)”, held at Devi Ahilya University, Indore on 17-18 October 2008.
23. Prabhjot Kaur (2008), “**Customize Data Mining based upon Security Levels**”, National Conference on Architecturing Future IT Systems (NCAFIS)”, held at Devi Ahilya University, Indore on 17-18 October 2008.
24. Prabhjot Kaur and Anupama Kaushik (2008), “**Security Enhancements in IPV6**”, 2<sup>nd</sup> National Conference on Computing for Nation Development”, held at Bharti Vidhya Peeth on 08-09 February, 2008, New Delhi, INDIA. ISSN: 0973-7529.

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### Annexure-2

#### Peer Reviewed Papers:

1. Remote Sensing Image Reconstruction Using an Asymmetric Multi-Scale Super-Resolution Network, **Journal of Supercomputing**, Springer, 2022.
2. A novel pre-processing technique of amplitude interpolation for enhancing the classification accuracy of Bengali phonemes, **Multimedia Tools and Applications**, Springer, SCIE, 2022.
3. ESTIMATING HEART RATE AND RESPIRATORY RATE FROM VIDEO USING CYCLICAL ALGORITHM, **Multimedia Tools and Applications**, Springer, SCIE, 2022.
4. Automatic Robot Manoeuvres Detection using Computer Vision and Deep Learning Techniques: A Perspective of Internet of Robotics Things (IoRT), **Multimedia Tools and Applications**, Springer, SCIE, 2022.
5. "Segmentation of Steel Microstructure Image based on Classic Image Processing and U-Net **Applied Soft Computing Journal**", **Applied Soft Computing**, 2021, Elsevier
6. "An analysis of Human Activities Recognition using Smartwatches dataset", **International Journal of Advance Computer Science and Applications**, 2020.
7. "Optimized Bezier Curve Based Tone Mapping Scheme for Low Light Image Enhancement", **IEEE Transactions on Emerging Topics in Computational Intelligence**, 2020.
8. "Energy Efficient Resource Optimization in Cooperative Internet of Things Networks", **Internet of Things** (2020)
9. "Prediction based Proactive Load Balancing Approach through VM migration", **Engineering with computers**, Springer, Sep., 2015, ISSN: 1435-5663 (online), Impact Factor: 1.451.
10. "On the Performance Evaluation of Intuitionistic Vector Similarity Measures for Medical Diagnosis", **Journal of Intelligent and Fuzzy Systems (JIFS)**, IOS Press, in Sep. 2015. ISSN-1064-1246. Impact factor: 0.648
11. "A New Log Kernel Based Possibilistic Clustering", CSI2015, Computer Society of India, 2015.



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<https://scholar.google.com/citations?hl=en&user=8YIxtRUAAAJ>

12. "Static Eye Images and Filter Techniques", CSI2015, Computer Society of India, 2015.
13. "Fuzzy c-means Clustering Strategies: A Review of Distance Measures", CSI2015, Computer Society of India, 2015.
14. "Performance Assessment for Clustering Techniques for Image Segmentation", CSI2015, Computer Society of India, 2015.
15. "A Novel Approach for Extracting Pertinent Keywords for Web Image Annotation using Semantic Distance and Euclidean Distance", CSI2015, Computer Society of India, 2015.
16. "Comparative Analysis of Various Search Center Selection Methods for Fast Motion Estimation", CSI2015, Computer Society of India, 2015.
17. "Unsupervised ACO: Applying FCM as a supervisor for ACO in medical image segmentation", **Journal of Intelligent and Fuzzy Systems (JIFS)**, IOS Press, in April **2013**. ISSN-1064-1246. Impact factor: 0.648
18. "Locally adaptive multiple kernel clustering", **Neurocomputing**, Elsevier Publishers in Feb. **2013**. ISSN 0925-2312. IF 1.58
19. "Predicting helix pair structure from fuzzy contact maps", **Applied Soft Computing (ASOC)**, Elsevier Publishers in Jan. **2013**. ISSN 1568-4946. IF 2.084
20. "A simple Neural Network approach to Software cost Estimation", **Journal of Engineering Science and Technology (JESTEC)**, in Nov., **2012**. ISSN: 1823-4690.
21. "Monitoring the state of plant species in Urban Environment", **IEEE Transactions on Fuzzy Systems**, IEEE Publisher, in **September 2012**. ISSN 1063-6706. Impact Factor 4.26
22. "A comparison of two techniques for preliminary diagnosis of primary headaches", **Journal of Intelligent and Fuzzy Systems (JIFS)**, IOS Press, in **September 2012**. ISSN-1064-1246. Impact factor: 0.648
23. "Optimal selection based suppressed fuzzy c-means clustering algorithm with self tuning non local special information for image segmentation", **Applied Soft Computing (ASOC)**, Elsevier Publishers in **September 2012**. ISSN 1568-4946. IF 2.084
24. "Gaussian Fuzzy Index (GFI) for cluster validation: Identification of high quality biologically enriched clusters of genes and selection of some possible genes mediating certain cancers", **IEEE Transactions on Fuzzy Systems**, IEEE Publisher, in **July 2012**. ISSN 1063-6706. Impact Factor 4.26

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GoogleScholar Link:  
<https://scholar.google.com/citations?hl=en&user=8YIxtRUAAAAJ>

- 
25. “Scalable width temporal edge detection for recursive background recovery in adaptive background modeling”, **Applied Soft Computing (ASOC), Elsevier Publishers in January 2012**. ISSN 1568-4946. IF 2.084
  26. “On the type-1 and type-2 fuzziness measures for thresholding MRI brain images”, **Journal of Intelligent and Fuzzy Systems (JIFS), IOS Press, in June 2012**. ISSN-1064-1246. Impact factor: 0.648
  27. “A comparison of two techniques for preliminary diagnosis of primary headaches”, **Journal of Intelligent and Fuzzy Systems (JIFS), IOS Press, in August 2012**. ISSN-1064-1246. Impact factor: 0.648
  28. “Bond Graph Modelling and simulation of Photovoltaic System with Buck Boost Convertor Using 20-sim”, **2012 IEEE Control and System Graduate Colloquium (ICSGRC 2012), in June 2012**. ISBN: 978-1-4577-0337-9
  29. “Behavior of Electromagnetic Waves in sea bed Logging by varying the thickness and resistivity of the Hydrocarbon Reservoir”, **2012 IEEE Control and System Graduate Colloquium (ICSGRC 2012), in June 2012**. ISBN: 978-1-4577-0337-9
  30. “Biological Cell Image Segmentation using Novel Hybrid Morphology- based method”, ICCSIT 2011, **June 10-12, 2011**, Chengdu, China. 978-1-61284-834-1
  31. A Comparative Study on Fuzzy Approaches for COCOMO’s Effort Estimation”, pp 445-448, ISBN 978-1-61284-834-1, **4th IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2011), June 10-12, 2011**, Chengdu, China.
  32. “A Study of Fuzzy Abel-Grassmann’s Groupoids”, International Journal of the Physics Sciences (IJPS), an Academic Journal..pp. 584-592 ISSN 1992-1950, **Dec. 2011**.
  33. Performance analysis of Subspace methods used in Blind Channel Identification” **International Journal of Engineering and Technology Research (JETR), an Academic Journal**. ISSN: 2006-9790, **Dec. 2011**.
  34. Performance analysis of Subspace methods used in Blind Channel Identification” International Journal of Engineering and Technology Research (JETR), an Academic Journal. ISSN: 2006-9790, **Dec. 2011**.