

Curriculum Vitae

Dr.Syed Hauider Abbas

M.Tech, Ph.D.(Computer Science & Engineering)

Faculty of Computer Science & Engineering, Integral University

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Research Gate: <https://www.researchgate.net/profile/Dr-Syed-Abbas> H-Index:15(Research Gate and Google Scholar)

Achieved 1,000+ Google Scholar Citations



PROFESSIONAL SUMMARY:(With Over17+Years of Teaching Experience, Including 5+ years Post-PhD)

Building on my extensive teaching and research experience and my Ph.D. in Computer Science and Engineering, I am currently pursuing a Postdoctoral Fellowship to further strengthen my research expertise and academic contributions. I have published over 75 research papers, 8 books, and 15 book chapters in reputed SCI, Web of Science, Scopus, and UGC-CARE-indexed journals and publications, including leading publishers and organizations such as IEEE, Springer, Elsevier, and Taylor & Francis. My research findings have also been disseminated through various national and international seminars, conferences, workshops, and academic forums. In addition to my publication record, I have successfully undertaken two research projects and hold 12 patents, including 2 patents granted by the Government of Canada. I am deeply committed to advancing research, fostering innovation, and continuously expanding my knowledge through professional development and interdisciplinary academic engagement. My core areas of research and expertise include Artificial Intelligence, Machine Learning, Deep Learning, Digital Image Processing, and emerging AI-driven technologies. Through my teaching, research, publications, and innovation activities, I remain committed to contributing meaningfully to the advancement of Computer Science and Engineering.

EDUCATIONAL QUALIFICATION

- **Ph.D (Computer Science & Engineering) Full-Time**, Entitled “ Image Processing Using Ant Colony Optimization” in the field of Image Processing from Shri Venkateshwara University.
- **Passed M.TECH (CSE)Full-Time in First Class** with Specialization in Peer-to-Peer Live Streaming and Video On Demand Design Issues and its Challenges from Dr. MGR University, Chennai.

TOTAL WORKING EXPERIENCE: 17+YEARS

I have over 17 years of teaching experience, including more than 5+ years of post-Ph.D. Teaching and Research experience.

FIELDS OF RESEARCH INTEREST

Machine Learning, Deep Learning, AI,CNN, Image Processing, Industry 4.0& 5.0

PROJECTS

S. No.	Title	SponsoringAgency	Duration	Amount	PI/Co-PI Names
01	Design and Development of an online Educational Platform for Enhanced Student Learning and Interaction.	GYANXPACADEMY	(Nov-2024-Jan-2025)	₹25,000	Dr.S.H.Abbas
TheprimaryobjectiveofthisprojectistodeveloponlineEducationalPlatformforStudentLearningand Interaction.					
02	Developing an Artificial Neural Network(ANN)Model for Early Detection and Severity Prediction of Chronic Kidney Disease	Equitec Technology	(August-2022 July-2024)	₹2,30,,000	Dr.S.H.Abbas
TheprimaryobjectiveofthisprojectistodevelopanArtificialNeuralNetwork(ANN)modelthat can assist in the early detection and severity prediction of Chronic Kidney Disease (CKD)					

03	Design and Implementation of a Smart AI-Enabled Knowledge Innovation Framework	Brainhox Research and Consulting Private Limited Kanpur, Uttar Pradesh	On-Going	₹1,50,000	Dr.S.H.Abbas
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COURSES TAUGHT AT UG LEVEL AND PG LEVEL

No.	Course Description
1.	Soft Computing
2.	Artificial Intelligence
3.	Cyber Law
4.	Java Programming

PROGRAMMING LANGUAGES KNOWN

VB, .NET, C, C++, JAVA, SQL

ACADEMIC TEACHING AND MENTORSHIP

➤ Teaching Responsibilities:

Handle theoretical and lab-based computer science subjects for various degrees including B.Tech, M.Tech, BCA, MCA, MBA and BBA

- PhD Research Supervision
- M.Tech Thesis Supervision
- B.Tech Final Year Project Mentorship
- Student Mentorship and Guidance
- Subject Mentorship for Course Assessments
- Administration Evaluation Roles
- External Lab Viva Examiner
- Course Coordination and Student Support
- Head Examiner for Subject Evaluations

- Student Career and Extracurricular Support
- Departmental Quizzes, Seminars, and Presentations Coordination
- Seminar/Workshop/Conference Coordination: Organize technical seminars, workshops, and conferences for the Computer Science department.

DETAILS OF PHD BEING GUIDED/SUPERVISED

S. No.	Name of Students	Degree	Title of the Research	Status
1.	Suryakanta Mahapatra	P.hD.	A Study on an Intelligent Procedure Framework for Alzheimer's Disease	Awarded
2.	Prabhakar Mishra	P.hD.	A Study on Efficient Resource Allocation and Scheduling Techniques in Cloud Computing	Awarded
3.	Saman Khan	P.hD.	A Proposed Machine Learning-Based Framework for Enhancing Security in Cloud Computing	Submitted
4.	Balmukund Maurya	P.hD.	A Machine Learning-Based Plant Disease Detection System for Agriculture	P.hD. Pursuing
5.	Amit Kumar Jaiswal	P.hD.	Deep Learning Models for the Early Detection of Plant Diseases Using Image Analysis	P.hD. Pursuing

DETAILS OF M.TECH GUIDED/SUPERVISED

S. No.	Name of Students	Degree	Title of the Research	Year of Passing
1	Kalam	M.Tech	Proposed AI-Based Kidney Stone Detection Framework	2025
2	Saumya Srivastava	M.Tech	Blockchain Based Federated Learning for Medical Imaging	2026
3	Mohd. Salmaan	M.Tech	Document Recognition and Data Extraction From Reprinted Form, An Intelligence Approach	2014
4	Vipin Rai	M.Tech	Some Studies on Wireless Mesh Network Software Reliability	2016
5	MD Makarim Khurshid	M.Tech	Cloud Computing Security Issue and Challenges	2023

**CONFERENCES/WORKSHOP/ORIENTATIONCOURSES/FDP/ SEMINAR
CONDUCTED**

S.No.	Workshop/Orientation Courses/Trainings Description
1.	Dr. S.H. Abbas, “ <i>Next-Generation Collaborative AI for Global Sustainability Engagement</i> ” Presented at the International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems (ICIMSSS-24) , December 27-28, 2024
2.	Dr. S.H.Abbas “ <i>Edge Computing Solutions for Scalable and Secure Future Digital Ecosystems</i> ”, Presented at the International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems (ICIMSSS-24) , December 27-28, 2024
3.	Dr. S.H. Abbas presented a paper titled “Comparative Analysis of C, C++ Time and Space Complexity” at the National Conference on Innovations in Science & Technology (IST-2024) held at National Institute of Technology, Srinagar, J&K, India, November 28-29 2024
4.	Dr.S.H.Abbas presented a paper titled, ”Enhancing construction project cost predictions Using machine learning for improved accuracy and efficiency”for ICOFE2024andScopus, SSRN Elsevier Conference OCT-2024
5.	Dr.S.H.Abbas presented a paper titled, “Optimizing Product Demand Forecasting with Hybrid Machine Learning and Time Series Models: A Comparative Analysis of XGBoost and SARIMA”,Scopus, SSRN Elsevier Conference OCT-2024
6.	Dr. S. H. Abbas presented a paper titled "Robust Prediction ofCOVID-19 Mortality with Ridge Regression and Hyper parameter Optimization" at the ICOFE-24 Conference, an international Conference sponsored by Scopus, SSRN Elsevier Conference OCT-2024
7.	Dr. S. H. Abbas presented a paper titled " IoTWP: Design and Development of Internet of Things Assisted Weather Prediction Scheme with Advanced Remote Tracking Norms "at the ICPECTS-24 Conference, an international Conference sponsored by IEEE, Oct 8-9, 2024
8.	Dr.SyedAbbasparticipatedasareviewerforthe IEEEConferenceICCCCM-2024 in August 2024, hosted at United College of Engineering and Research, Allahabad.
9.	Participated two days International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023) Sponsored by, Department of Computer Science & Engineering by BBDITM, December 21 – 22, 2023

10.	Dr. Syed Abbas participated as a reviewer for the article " An Intrusion System for Internet of Things Security Breaches Using Machine Learning Techniques " in the Singapore-based <i>journal Artificial Intelligence and Applications (AIA, ISSN: 2811-0854)</i> in November 2023.
11.	Participated a one Week Faculty Development Programme on AI/ML and Data Science for Industry 4.0 Sponsored by, Department of Computer Science & Engineering, NITTTR Chandigarh held on August 20-25, 2023
12.	Awarded technical reviewer of CISES-2023 sponsored by IEEE April 28-30, 2023
13.	An Organized a two days essay writing and self recitation Sponsored by the Integral university, Lucknow on December 05-06, 2022
14.	Participated a one Week Faculty Development Programme on Open Source Technologies Sponsored by, Department of Computer Science & Engineering, NITTTR Chandigarh held on October 16- 21, 2022
15.	Participated a one Week Faculty Development Programme on Artificial Intelligence for Sustainable Development Sponsored by Artificial Intelligence Research Centre, Department of Computer Science & Engineering, BBD University held on September 17-22, 2022
16.	Participated a Two Weeks Online Faculty Development Programme on Machine Learning & Deep Learning Sponsored by the AICTE held on October 19-31, 2020.
17.	Attended an International Workshop on Ethics of writing Research Paper Sponsored by the BNCET, Lucknow June 12-13, 2020
18.	Attended Machine Learning Workshop sponsored by the Brain-O-Vision May 27-29, 2020
19.	Participated workshop Introduction to Big Data & Artificial Intelligence sponsored by the Institute of Leadership & Governance, Vadodara, Gujarat May 31, 2020
20.	Attended a National workshop On Day Workshop On C&C++ sponsored by the IIT Bombay February 29, 2020
21.	Attended a multidisciplinary international workshop sponsored by KMCU, University, Lucknow, February 23, 2020
22.	Attended a Conference Excel your powerpoint presentations sponsored by Integral, University, Lucknow, September 27, 2019
23.	Attended a Conference Xamarin Android Technologies sponsored by Integral, University, Lucknow, March 14, 2019

24	International Conference on “Computing for Sustainable Global Development”,1-3 rd March, India, March,2017.
25	Participated in workshop and hands-on-Training on research methodology Sponsored by theDOLPHIN,Feb9-10,2017
26	Attended a workshop on MATLAB Xamarin Android Technologies sponsored by Integral, University,Lucknow,MAY07,2016
27	Participated in workshop and hands-on-Training on research methodology sponsored by the DOLPHIN, Feb 16-18, 2017
28	5 th National Conference, INDIA Com-2011, New-Delhi, India, March,2011.
29	2 nd National Conference, NCAICom-2008, New-Delhi, India, February,2008.

MEMBER OF PROFESSIONAL BODIES

Name of Professional Body	International/National	Membership Details
International Association of Engineers (IAENG)	International	392458
Indian Society for Technical Education (ISTE)	National	67559
Senior member of IEEE	International	102113028

KEY NOTE LECTURE DELIVERED & REVIEWER

- **Reviewer Certificate** for the conference **ICCCCM-2024** at **United College of Engineering and Research, Allahabad: United College of Engineering and Research, A-31, UPSIDC Industrial Area, Naini, Allahabad, Uttar Pradesh 211010**
- Delivered a **Keynote Address** at the *2nd International Conference on Next-Generation Communication and Computing (NGCCOM-2025)*, organized by the Research & Development Cell and Department of Computer Science Engineering (AIML), GL Bajaj Institute of Technology and Management, Greater Noida, India, held on **18–19 December 2025**.
- Dr.S.H.Abbas serves as a reviewer for Scientific Reports ,an SCIE-Indexed journal published by Springer Nature.
- Delivered a Guest Lecture on Distributed Digital Image Processing on 29th March 2022 at

Sunrise University.

- Delivered a Guest Lecture Big DATA on November 11th 2022 at Glocal University, Saharanpur.
- Delivered a Guest Lecture on Machine Learning on November 11th 2021 at OPJS, University.

SESSION CHAIR & AWARDS/ACHIEVEMENT

- Session Chairs of International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023) organized by BBDITM
- Awarded as the best paper in the International Conference on Advances in Emerging Trends in Computer Applications conference.
- Dr. S. H. Abbas participated as a technical program committee member for the IEEE Conference CISES2023, held in April 2023 at GL Bajaj Institute, Noida.
- Dr.S.H.Abbas was honored with the Yuva Acharya Award in 2021-2022 at the All India Level by the Bharat Education Excellence Awards, which is one of the largest award ceremonies in education and research, celebrating his outstanding contributions to the fields of research and education.
- Dr. S. H. Abbas was honored to serve as a member of the government selection committee for Veer Bahadur Singh Purvanchal University (VBS), Jaunpur, 2024.

EXTRA CURRICULAR ACTIVITIES/ ADMINISTRATIVE WORKS

- Acting as a Project Guide for B.Tech students
- Acting as a sanative member in department Board of Studies committee.
- Acting as an active member in NBA and NAAC.
- Supporting for Faculty development programme & Workshops.
- Ability to work-in dependently and in a team framework.

References

1. Prof. P.K.Bharti, Hon'ble ExVC, Glocal University, Saharanpur Phone: +918595067540
2. Dr. Akthar Hussain, Professor, CSE-IET, Bareilly, UP, India Phone: +919319760019
3. Dr.S.K.Agarwal, Professor, Dolphin, Dehradun Phone: +91-9568004554
4. Dr. Vipin Rai, Professor, Galgotias University, Greater Noida, Uttar Pradesh

PUBLICATIONS(BOOK,BOOKCHAPTER,JOURNALSAND PROCEEDINGS)

(Please see Annexure-I)

ANNEXURE-I
NATIONAL/INTERNATIONALPUBLICATIONS
(BOOK PUBLICATIONS)

S. No.	Book Description
01	Dr.S.H.Abbas,“SmartContractsandBlockchain:TransformingDigitalTransactions.Book Rivers”, 2025, ISBN: 978-93-6884-121-0 The book aims to provide a clear and concise understanding of smart contracts and blockchain technology, with a particular focus on their role in transforming digital transactions across diverse sectors. It explores the technical foundations, practical applications, security considerations, legal and regulatory implications, and emerging trends associated with blockchain-enabled smart contracts. By integrating theoretical concepts with real-world use cases, the book provides a comprehensive perspective on how decentralized technologies can enhance transparency, security, efficiency, and trust in digital transactions. It is designed to serve as a valuable resource for students, researchers, developers, industry professionals, and practitioners seeking to understand and adopt secure, reliable, and decentralized digital solutions.
2.	Dr.S.H.Abbas,“Impact of Integrated Artificial Intelligence in Human Resource Management Functions” ISBN:978-1-68576-399-2 , Iterative InternationalPublishers, 2023 This book explores how integrated Artificial Intelligence (AI) technologies are transforming core Human Resource Management (HRM) functions by enhancing operational efficiency, improving data-driven decision-making, and strengthening the overall employee experience. It examines the application of AI across key HR processes, including talent acquisition, employee engagement, performance management, learning and development, workforce planning, and retention. The book also addresses critical ethical, organizational, and managerial challenges, including data privacy, algorithmic bias, transparency, job displacement, and responsible AI

	adoption. By combining theoretical insights with practical applications, it provides valuable guidance for students, HR professionals, managers, researchers, and organizations seeking to leverage AI for more effective, equitable, and future-ready human resource practices.
3.	Dr. S. H. Abbas, “Introduction to Deep Learning”, ISBN:978-9355159540 Book Rivers Publications,2023 The primary objective of this book is to provide a comprehensive guide to understanding and applying deep learning techniques in various domains. Provide a clear explanation of the foundational concepts of deep learning, including neural networks, activation functions, back propagation, and optimization techniques.
4.	Dr.S.H.Abbas,“Learn.Net with Programming Internet and Web Programming+Projects”,ISBN: 978- 93-92759-74-1 , Shrihind Publications, 2022 The primary objective of this book is to provide a comprehensive guide for mastering .NET framework and web programming concepts, with a focus on practical applications and project-based learning.

5	Dr.S.H,Abbas,“AComplete-IntroductionofBigDataAnalytics”,ISBN:978-93-92929-32-8,BlueHill Publications, 2022. The primary objective of this book is to provide an in-depth understanding of Big Data Analytics, covering its fundamental concepts, tools, techniques, and real-world applications. The book aims to: Introduce Big Data Concepts: Provide a strong foundation in Big Data Analytics by explaining its key characteristics, including volume, velocity, variety, veracity, and value, along with the major challenges associated with the storage, processing, management, and analysis of large and complex datasets.
6	Dr. S HAbbas,“InternetandWebProgramming+Projects”,ISBN:978-93-90903-70-2,Delight Publications, 2021 The primary objective of this book is to provide a comprehensive understanding of Internet and Web Programming, with a strong emphasis on practical implementation through hands-on projects. The book aims to: Teach Core Web Development Concepts: Provide a clear and structured understanding of fundamental web technologies, including HTML, CSS, and JavaScript, and explain how these technologies work together to design, develop, and implement interactive, responsive, and dynamic web pages and applications.
7	Dr. S.H,Abbas, “Computer Programming Fundamentals using C”,ISBN:978-81-951982-2-1,Bhumi Publishing, 2021.
	Worked As A Editor in Edited Books ((International))
8	Dr. S. H. Abbas, “Impact of Integrated Artificial Intelligence in Human Resource Management-Functions”E-ISBN: 978-1-68576-398-5 IIP, 2023 International The primary objective of this book is to provide a comprehensive understanding of the transformative role of Artificial Intelligence (AI) in revolutionizing Human Resource Management (HRM) practices and functions. The book explores how AI-driven technologies can enhance recruitment and talent acquisition, employee performance management, workforce planning, learning and development, employee engagement, and strategic decision-making. It also examines the benefits, challenges, ethical considerations, and organizational implications associated with integrating AI into HRM, highlighting its potential to improve efficiency, accuracy, employee experience, and overall organizational effectiveness.

	Dr. S. H. Abbas, “Latest Technologies and Tools Aiding Industry 5.0 Development” Cambridge Scholars Publishing (CSP), United Kingdom (UK)ISBN (10): 1-5275-5408-2 ISBN (13): 978-1-5275-5408-5 International Chief Editor The primary objective of this book is to provide a comprehensive understanding of the emerging technologies, tools, and innovative approaches driving the evolution of Industry 5.0. The book explores the integration of advanced technologies such as Artificial Intelligence, Machine Learning, Robotics, Internet of Things, Big Data Analytics, Digital Twins, and Human–Machine Collaboration, with particular emphasis on the synergy between humans and intelligent technologies. It aims to examine how these technologies can support human-centric, sustainable, and resilient industrial systems while enhancing productivity, innovation, decision-making, operational efficiency, and organizational competitiveness.
INTERNATIONAL BOOK CHAPTER PUBLICATIONS/SCOPUS	
1.	Abbas,Syed H. “<i>A Proposed Deep Learning Framework for Internet-of-Medical Things.</i>” InCPress, <i>Taylor & Francis Group, January 2025. ISBN 9781003606635.(Scopus)</i>
2.	Abbas, S. H. (2025)“<i>Designing an effective real-timefraud detection system with machine learning techniques</i>”In Advances in Science, Engineering, and Technology.CRCPress,Taylor&Francis. ISBN:9781041076483..(Scopus)
3.	Dr.S.H.Abbas,“AProposedMachineLearningAlgorithmForPredictingAdverseDrug Interaction”, in Book of Abstract, <i>Tech Horizon 2023, S.U, Mangalore</i> , Dec. 2023.
4.	Dr.S.H.Abbas,“Industry5.0PotentialforSociety:Human-CenteredChallengesandSolutions and Potential Areas for Research” in Current Technologies and Tools Aiding Industry 5.0 Development, <i>ISBN(13):978-1-5275-5408-5,CambridgeScholarsPublishing,unitedkingdomDecember2023</i>

5.	Dr.S.H.Abbas,“ Industry5.0-Based Internet of Things Basedon Artificial Intelligence ”in Current Technologies and Tools Aiding Industry5.0Development, <i>ISBN(13):978-1-5275-5408-5,Cambridge Scholars Publishing, united kingdom December 2023</i>
6.	Dr.S.H.Abbas,“ Industry 5.0 Revolution in Education: Future Research Needs and Challenges ” In Current Technologies and ToolsAidingIndustry5.0Development, <i>ISBN(13):978-1-5275-5408-5,Cambridge Scholars Publishing, united kingdom December 2023</i>
7.	Dr.S.H.Abbas,“ Implementation of Industry4.0and Preparation for Industry 5.0in Industrial Organizations ” in Current Technologies and Tools Aiding Industry 5.0 Development, <i>ISBN (13):978-1- 5275-5408- 5,Cambridge Scholars Publishing, united kingdom December 2023</i>
8.	Dr.S.H.Abbas,“ How Employees Survive in the Industry 5.0 Era:Skillsin High Demand in the Near Future ” in Current Technologies and Tools Aiding Industry 5.0 Development, <i>ISBN (13):978-1-,5275- 5408- 5,Cambridge Scholars Publishing, united kingdom December 2023</i>
9.	Dr.S.H.Abbas, Role and Impact of Blockchainin Cybersecurity ,in IGI-GLOBAL ,ISBN 9781799884934 , Sep. 2022. DOI: 10.4018/978-1- 7998-8493- 4.ch005
10.	Dr.S.H.Abbas,“ An Approach Towards Security and Privacyi n Pervasive Healthcare System ”,in Springer\ESA, ISBN 978-3-030-77745-6 , Sep. 2021.
11.	Dr.S.H.Abbas,Dr.S.K.Agarwal,“ A review of AI Techniques for 6G Communications: Architecture security and potential solutions ”,CPressTaylor&FrancisGroup,ISBN9781032006826August2021
12.	S.H.Abbas,Dr.S.K.Agarwal,“ An Approach Towards Industry 4.0 and its applications in the Healthcare Sector ” Elsevier, June 2021.
13.	S.H.Abbas“ Impact of AI in manufacturing Industries ”Published in International chapter book, Redshine,ISBN:978-1-4834-3085-0,May2021

TOP RESEARCH PUBLICATIONS
National & International
INDEXED IN SCI/SCIE/ESCI/WEB of SCIENCE/SCOPUS

Accepted Papers

- **Title:** *COBRC-MOS: Crayfish Optimization Algorithm for Breast Cancer Classification using Mammography Images*, **Springer Nature, SCIE, Q2**
- Paper titled "Edge Computing Solutions for Scalable and Secure Future Digital Ecosystems" has been accepted for the International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems (ICIMSSS-24)Scopus Indexed Conferences **Paper ID is: ICIMSSS-467**
- Paper titled "Augmented Reality Platforms for Future-Driven Community Engagement]" has been accepted for the International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems (ICIMSSS-24) Scopus Indexed Conferences **Paper ID is: ICIMSSS-466**
- Paper titled "Next-Generation Collaborative AI for Global Sustainability Engagement" has been accepted for the International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems (ICIMSSS-24) Scopus Indexed Conferences **Paper ID is:ICIMSSS-465**
- Papertitled“**Blockchain-PoweredTransparentGovernanceforEnhancedCitizenParticipation** Systems(ICIMSSS-24)Scopus Indexed Conferences **PaperIDis:ICIMSSS-463**

Published Research Papers

1. Abbas,S.H.(2026).*BOD-BLOAT:Security-Aware Bayesian Optimized Deep Learning Model for BLOAT Prevention in IoT Healthcare*. Iranian Journal of Science and Technology, Transactions of Electrical Engineering. **Springer Nature**, DOI: 10.1007/s40998-025-01001-2. **Indexed in SCIE and Scopus (Q2).**
2. Abbas, S. H. (2026). *FashNet: An Improved Hybrid Deep Learning for Multi-Attribute Fashion Classification using Cuttlefish and Quantum Newton Optimization*. International Journal of Computational Intelligence Systems(2026).**SpringerNature**<https://doi.org/10.1007/s44196-026-01319-7>**Indexed in SCIE and Scopus(Q2).**
3. D. Dhanya, S. H. Abbas, R. D. M., and S. S., “iREWAr-Sense: Octa sensors integrated dynamic artificial fish swarm optimization-based deep learning model for water quality detection,” *Urban Water Journal*, pp.1–20, 2026. doi: 10.1080/1573062X.2026.2642279 **Taylor & Francis, Indexed in SCIE and Scopus (Q2).**
4. Abbas, S. H. (2025). Intelligent water management via deep-IoT enabled precision agriculture. Australian Journal of Electrical and Electronics Engineering. **Taylor & Francis, Indexed in Scopus (Q3)**<https://doi.org/10.1080/1448837X.2025.2568797>**(ScopusIndexed)**
5. **Abbas, S. H.** (2025). *Deep Learning for Predicting Drug-Drug Interactions and Patient Safety in Dental Clinical Trials*. Proceedings of the 10th International Conference on Science, Technology, Engineering and Mathematics (ICONSTEM), Chennai, India, pp. 1–6. DOI: 10.1109/ICONSTEM65670.2025.11374791. **IEEE**
6. S.H. Abbas and P. Kunekar, "Cloud-Driven Deep Learning Applications in Smart Cities," 2026 6th International Conference on Recent Trends in Computer Science and Technology (ICRTCST), Jamshedpur, India, 2026, pp. 617-622, doi: 10.1109/ICRTCST68392.2026.11545378., **IEEE**

7. **Abbas, S. H.** (2025). *Federated Learning for Collaborative Dental Diagnosis Across Hospitals Without Compromising Privacy*. ICONSTEM 2025, Chennai, India, pp. 1–8. DOI: 10.1109/ICONSTEM65670.2025.11374623. **IEEE**
8. **Abbas, S. H.** (2025). *A Review on Disease Prediction in Plants and Fertilizer Recommendation Using CNN & LSTM*. International Conference on Innovations and Emerging Technologies in AI & Communication Systems (IETACS), Mohali, India, pp. 1229–1235. DOI: 10.1109/IETACS68750.2025.11385516. **IEEE**
9. Abbas, S. H. (2025). Cognitive Robotics-Driven Assistance System for Precision Medical and Dental Procedures. ICONSTEM 2025, Chennai, India, pp. 1–6. DOI: 10.1109/ICONSTEM65670.2025.11374710. **IEEE**
10. Abbas,S.H.(2025).Generative AI for Simulating Personalized Treatment Plans for Dental Cancer Patients. ICONSTEM2025,Chennai,India,pp.1–6.DOI:10.1109/ICONSTEM65670.2025.11374656.IEEE
11. Abbas, S. H. (2025). Predictive Maintenance and Monitoring of Industrial Compressors Using Machine Learning.A Proactive Approach. Vol. 31, No. 3, ISSN: 2217-8961, Web of Science (ESCI), Serbia. DOI: <https://doi.org/10.63278/1387>
12. .S.H.Abbas,“TheFutureOfSurgery:AGuideToMachineLearningForSurgeons”,*JournalofNeonatal Surgery* , Vol. 14, Issue 13s (2025),Scopus Q3
13. Dr.S.H.Abbas,“SustainableHealthcareThroughIoTAnd PervasiveComputing:AREinforcementLearningApproach”
Journalof NeonatalSurgery,Vol.14No.10S(2025), Scopus Q3
14. Abbas and R. Sivasubramanian, “DCRNet: A deep learning approach for classifying preterm infant cry signals,” International Journal of Data Science and Artificial Intelligence (IJDSAI), vol. 3, no. 1, pp. 24–32, Jan.–Feb. 2025, ISSN: 2584-1041, KITS PRESS Publications.
15. Dr.S.H.Abbas,“MachineLearning-BasedSentiment AnalysisforSuicidePreventionandMental Health Monitoring in Educational Institutions”, *Journal of Neonatal Surgery* , Vol. 14 No. 5S (2025), Scopus Q3
16. Dr.S.H.Abbas,“ModernHealthcarewithMachineLearning:InnovationandFutureProspects.”
*CuestionesdeFisioterapia*54,no.4(2025).ScopusQ4.
17. Dr.S.H.Abbas,“AI modelforautomatedkidneystonedetection,”GISScienceJournal,vol.12,no.3,2025.

18. Dr.S.H.Abbas, “Healthcare providers' perceptions, expertise, and barriers regarding the adoption of AI in rehabilitation,” *Cuestiones de Fisioterapia*, vol. 54, no. 3, 2025. Available: <https://doi.org/10.48047/9ea0sj23>. (Scopus Q4)
19. Dr. S.H. Abbas Published a paper on “IoTWP: Design and Development of Internet of Things Assisted Weather Prediction Scheme with Advance Remote Tracking Norms” in **IEEE 2024, International Conference on Power Energy Control and Transmission Systems (ICPECTS)**, Chennai, India, 2024, PP.1-6, DOI:10.1109/ICPECTS62210.2024.10780426
20. Dr. S.H. Abbas Published a paper on ,”Enhancing construction project cost predictions using machine learning for improved accuracy and efficiency” in ICOFE 2024 , **International Conference SSRN Elsevier Conference** Publication <http://dx.doi.org/10.2139/ssrn.5080704>(Jan 2025)
21. Dr. S.H. Abbas Published a paper on ,”Optimizing Product Demand Forecasting with Hybrid Machine Learning and Time Series Models: A Comparative Analysis of XGBoost and SARIMA” in **ICOFE 2024, International Conference SSRN Elsevier Conference**, Publication <https://ssrn.com/abstract=5076161> or <http://dx.doi.org/10.2139/ssrn.5076161>(Jan 2025)
22. Dr. S.H. Abbas Published a paper on ,”Robust Prediction of COVID-19 Mortality with Ridge Regression and Hyper parameter Optimization” in **ICOFE 2024**, International Conference SSRN, Elsevier Conference , **Publication** <http://dx.doi.org/10.2139/ssrn.5083709>(Jan 2025)
23. Dr. S.H. Abbas Published a paper on “Comparative Analysis of C, C++ Time and Space Complexity” at the **National Conference on Innovations in Science & Technology (IST-2024) held at National Institute of Technology, Srinagar, J&K**, India, November 28-29, 2024
24. Dr.S.H. Abbas Published a paper on “Revolutionizing UAV: Experimental Evaluation of IoT- Enabled Unmanned Aerial Vehicle- Based Agricultural Field Monitoring Using Remote Sensing Strategy” in **Remote Sensing in Earth Systems Sciences (Q2-Scopus) (Springer)**, 13 September 2024. <https://link.springer.com/article/10.1007/s41976-024-00134>
25. Dr.S.H.Abbas Published a paper on “Exploring Subcellular Location Anomalies: A Novel Quantum

BioimagingParadigm”in*OpticalandQuantumElectronics(Q2-SCIE)(Springer).Q2-SCIE,Scopus*

(Springer)<https://link.springer.com/article/10.1007/s11082-023-06272-9>

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39. Dr.S.H.AbbasPublishedapaperon“AnAnticipationandCategorizationofLungCancerUsing Machine Learning Method” in *IJARESM (UGC Approved)*, Vol. 10, Issue 7, July 2022.
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51. Dr.S.H.Abbas,MohdVasimAhamadPublishedapaperon“ImageProcessingand Determination Techniques” in *National Journal of Ignited Minds, June 2019.*

52. Dr.S.H. Abbas Published a paper on "A Review Paper on Approaches Towards Green Computing" in *National Universal Review Journal of CSE*, February 2019

NATIONAL & INTERNATIONAL PATENTS

S.No.	Patents Name
01.	A Machine learning Based Framework for Enhancing Security in Cloud Computing Environments (Application Number: 202511091282) November 2025
02.	Advanced machine learning techniques for predicting T20 cricket match winners (Application Number: 202511035852) April 2025
03.	Ultra-Secure Biometric Identification System with Deep Learning Enhancements. (Application Number: 202341054682) September 2023
04.	An Intelligent Hybrid Model For Breast Cancer Detection, February 2023 (Application Number: 202311004587)
05.	Implementing Machine Learning And Deep Neural Networks To Analyse Stock Market Trends And Assess The Accuracy Of Market Predictions, January 2023, (Application Number: 202341001183)
06.	Artificial Intelligence Based Automatic Text Adaptation Device to Assist Language Learning in Understanding Content Informative Teaching Strategies Based on Deep Learning, January 2023 (Application Number: 202341003009)

07.	ArtificialIntelligenceandMachineLearningBasedMethodforRecognizingAbnormalActivityIn Vehicles. December,2021 (Application Number:202121057429)
08.	Artificialintelligentbaseddetectionandprevention-ofvariousBreastCancerusingMachine LearningandBigDataforhealthcaremanagement. March,2022(ApplicationNumber: 202241011933)
09.	ArtificialIntelligencebasedapproachtopredicttheimpactofBreastCancerusingthealgorithms WSNandImageProcessingTechniques. (November,2022)(ApplicationNumber: (202241069848)
10.	MachineLearningbasedapproachtPredictthePoliticalDeterminantsofEconomicExchangesin India.December (Application Number:202241075965)
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11.	ANovelTechniqueBasedOnSupportVectorMachinesForPredictingTheDailyClosingPricesOf electedShares-inTheStockMarket. (Canada,ApplicationNumber:1198609)
12.	DeeplearningbasedFlowerpluckingdronesforfarmer. (Canada,ApplicationNumber:1198782)

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- NationalAcademyScienceLetters,SCIE,SpringerNature,eJournalsIndexedinQ-1-SCIE/SSCI
- ScientificReports:SCIE,SpringerNature
- TheJournalofSupercomputing,SCIE,SpringerNature

- ArtificialIntelligenceandApplications,SingaporeBonViewPublishingPte.Ltd.
- SSEME
- DecisionAnalyticsJournal(science direct)

PROJECT DRAFTED

- Real-TimeObject Detection and Tracking in Unmanned Aerial Vehicles
UsingDeepLearning Algorithms

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I here by certify that above mentioned information is correct to the best of my knowledge.



Date:05/07/2026

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