

## Curriculum Vitae

### Dr. Syed Haider Abbas

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

Faculty of Computer Science & Engineering, Integral University

Phone: +91- 8542976886 Email:abbasphdcse@gmail.com,

ORCID ID:<https://orcid.org/0000-0002-9893-6741>

Research Gate: <https://www.researchgate.net/profile/Dr-Syed-Abbas> H-Index: 17 (Research Gate and Google Scholar)



### PROFESSIONAL SUMMARY: (With Over 16+ Years of Teaching Experience, Including 5 years Post-PhD)

Building on my extensive lecturing experience and a Ph.D. in Computer Science & Engineering, I am currently pursuing a Postdoctoral fellowship to further enhance my expertise. I have published over **75 Research papers, 8 books, and 15 book chapters** in esteemed **SCI/Web of Science/Scopus/UGC-CARE- indexed journals**, with leading publishers such as **IEEE, Springer, Elsevier, and Taylor & Francis**. My research has been widely presented at various seminars and workshops. Additionally, I have successfully undertaken two **Research projects**. Furthermore, I hold **12 patents**, 2 of which have been granted by the Government of Canada. I am deeply committed to advancing research, expanding my knowledge through ongoing professional development. My areas of expertise encompass cutting-edge fields, including Artificial Intelligence, Machine Learning, Deep Learning, and Digital Image Processing.

### 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.

### TOTALWORKING EXPERIENCE: 16+YEARS

I have over 16 years of teaching experience, with more than 5 years of Post-PhD teaching experience.

**FIELDS OF RESEARCH INTEREST**

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

**DETAILS OF EMPLOYEE & TEACHING EXPERIENCES IN CHRONOLOGICAL ORDER**

S. No.	University / Institution	Designation	Period	Nature of Duties
1	Integral University, Lucknow	Faculty	8 December 2018 – Present	Teaching, research supervision, IT academic coordination, and NAAC/NBA accreditation responsibilities.
2	Shri Venkateshwara University	PhD Research Scholar cum Assistant Professor	02 January 2016 – 07 December 2018	Teaching and research activities alongside doctoral research responsibilities.
3	SIMT, Lucknow	Assistant Professor	02 July 2013 – 15 December 2015	Teaching and research activities.
4	Dr. MGR University, Chennai	Lecturer	04 May 2009 – June 2013	Supervision of IT-related academic and support activities of the university.

**PROJECTS**

S. No.	Title	Sponsoring Agency	Duration	Amount	PI/Co-PI Names
01	Design and Development of an online Educational Platform for Enhanced Student Learning and Interaction.	<b>GYANXPACADEMY</b>	(Nov-2024-Jan-2025)	<b>₹25,000</b>	Dr. S. H. Abbas
<p><b>The primary objective of this project is to develop online Educational Platform for Student Learning and Interaction.</b></p>					
02	Developing an Artificial Neural Network (ANN) Model for Early Detection and Severity Prediction of Chronic Kidney Disease	<b>Equitec Technology</b>	(August-2022 July-2024)	<b>₹2,30,000</b>	Dr. S. H. Abbas
<p><b>The primary objective of this project is to develop an Artificial Neural Network (ANN) model that can assist in the early detection and severity prediction of Chronic Kidney Disease (CKD)</b></p>					
03	Design and Implementation of a Smart AI-Enabled Knowledge Innovation Framework	Brainhox Research and Consulting Private Limited Kanpur, Uttar Pradesh	On-Going	<b>₹1,50,000</b>	Dr. S. H. Abbas

## COURSES TAUGHT AT UG LEVEL AND PG LEVEL

No.	CourseDescription
1.	SoftComputing
2.	Artificial Intelligence
3.	Computer Graphics
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.h.D.	A Study on an intelligent procedure framework for Alzheimers Disease	Thesis Submitted
2.	Saman Khan	P.h.D.	Aproposed ML based framework for security in cloud computing	P.h.D.Pursuing
3.	Balmukund Maurya	P.h.D.	A Plant Disease Detection System in Agriculture Using Machine Learning	P.h.D.Pursuing
4.	Amit Kumar Jaiswal	P.h.D.	Deep Learning Models for Early Detection of Plant Diseases via Image Analysis	P.h.D.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	Mohd.Salmaan	M.Tech	Document Recognition and Data Extraction From Reprinted Form, An Intelligence Approach	2014
3	Vipin Rai	M.Tech	Some Studies on Wireless Mesh Network Software Reliability	2016
4	MD Makarim Khurshid	M.Tech	Cloud Computing Security Issue- sand Challenges	2023

**CONFERENCES/WORKSHOP/ORIENTATION COURSES/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 <b>International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems (ICIMSSS-24)</b> , December 27-28, 2024
2.	Dr. S.H. Abbas “ <i>Edge Computing Solutions for Scalable and Secure Future Digital Ecosystems</i> ”, Presented at the <b>International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems (ICIMSSS-24)</b> , December 27-28, 2024
3.	Dr. S.H. Abbas presented a paper titled “Comparative Analysis of C, C++ Time and Space Complexity” at the <b>National Conference on Innovations in Science &amp; Technology (IST-2024) held at National Institute of Technology, Srinagar, J&amp;K, India, November 28-29 2024</b>
4.	Dr. S.H. Abbas presented a paper titled, ”Enhancing construction project cost predictions using machine learning for improved accuracy and efficiency” for <b>ICOFE 2024 and Scopus, SSRN Elsevier Conference OCT-2024</b>
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 <b>OCT-2024</b>
6.	Dr. S. H. Abbas presented a paper titled "Robust Prediction of COVID-19 Mortality with Ridge Regression and Hyper parameter Optimization" at the ICOFE-24 Conference, an international Conference sponsored by Scopus, SSRN Elsevier Conference <b>OCT-2024</b>
7.	Dr. S. H. Abbas presented a paper titled " <b>IoTWP: Design and Development of Internet of Things Assisted Weather Prediction Scheme with Advanced Remote Tracking Norms</b> " at the ICPECTS-24 Conference, an international Conference sponsored by IEEE, Oct 8-9, 2024
8.	Dr. Syed Abbas participated as a reviewer for the <b>IEEE Conference ICCCCM-2024</b> 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 " <b>An Intrusion System for Internet of Things Security Breaches Using Machine Learning Techniques</b> " 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, <b>NITTTR Chandigarh held on August 20-25, 2023</b>
12.	Awarded technical reviewer of CISES-2023 sponsored by IEEE April 28-30, 2023
13.	An Organized a two days easy 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 Technologie Sponsored by, Department of Computer Science & Engineering, <b>NITTTR Chandigarh held on October 16- 21, 2022</b>
15.	Participated a one Week Faculty Development Programme on <b>Artificial Intelligence for Sustainable Development</b> Sponsored by Artificial Intelligence Research Centre, Department of Computer Science & Engineering, <b>BBD University held on September 17-22, 2022</b>
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 power point presentation sponsored by Integral, University, Lucknow, September 27, 2019
23.	Attended a Conference Xamarin Android Technologies sponsored by Integral, University, Lucknow, March 14, 2019

<b>24.</b>	International Conference on “Computing for Sustainable Global Development”, 1 -3 <sup>rd</sup> March, India, March,2017.
<b>25.</b>	Participated in workshop and hands-on-Training on research methodology Sponsored by the DOLPHIN, Feb 9-10, 2017
<b>26.</b>	Attended a workshop on MATLAB Xamarin Android Technologies sponsored by Integral, University, Lucknow, MAY 07, 2016
<b>27.</b>	Participated in workshop and hands-on-Training on research methodology sponsored by the DOLPHIN, Feb 16-18, 2017
<b>28.</b>	5 <sup>th</sup> NationalConference,INDIACom-2011, New-Delhi, India, March,2011.
<b>29.</b>	2 <sup>nd</sup> 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

### KEYNOTE 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 29<sup>th</sup> 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.

### **EXTRACURRICULAR ACTIVITIES/ ADMINISTRATIVE WORKS**

- Acting as a Project Guide for B.Tech students
- Acting as an active 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 independently and in a team framework.

### **References**

1. Prof. P.K. Bharti, Hon'ble Ex VC, Glocal University University, Saharanpur Phone: +918595067540
2. Dr. Akthar Hussain, Professor, CSE-IET, Bareilly, UP. India Phone: +91 9319760019
3. Dr. S. K. Agarwal, Professor, Dolphin, Dehradun Phone: +91-9568004554
4. Dr. Vipin Rai, Professor, Galgotias University, Greater Noida, Uttar Pradesh

**PUBLICATIONS(BOOK, BOOK CHAPTER, JOURNALS AND PROCEEDINGS)**

(Please see Annexure- I)

**ANNEXURE- I**  
**NATIONAL/INTERNATIONAL PUBLICATIONS**  
**( BOOK PUBLICATIONS )**

S. No.	BookDescription
01	<p><b>Dr.S.H.Abbas, “Smart Contracts and Blockchain: Transforming Digital Transactions. Book Rivers”, 2025, ISBN: 978-93-6884-121-0</b></p> <p>This book aims to provide a clear and concise understanding of smart contracts and blockchain technology focusing on their impact in transforming digital transactions across various sectors. It explores technical foundations, real-world applications, legal implications, and future trends to guide students, developers, and professionals in adopting secure and decentralized digital solutions.</p>
2.	<p><b>Dr.S.H.Abbas,“Impact of Integrated Artificial Intelligence in Human Resource Management Functions” ISBN: 978-1-68576-399-2 , Iterative International Publishers, 2023</b></p> <p>This book explores how integrated AI technologies are reshaping core Human Resource Management functions by enhancing efficiency, decision-making, and employee experience, while addressing associated ethical and organizational challenges.</p>
3.	<p><b>Dr. S .H .Abbas, “Introduction to Deep Learning ”, ISBN: 978-9355159540 Book Rivers Publications, 2023</b></p> <p>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.</p>
4.	<p><b>Dr.S.H.Abbas,“Learn.Net with Programming Internet and Web Programming+Projects”, ISBN: 978- 93-92759-74-1 , Shrihind Publications, 2022</b></p> <p>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.</p>

<p>5.</p>	<p><b>Dr.S.H,Abbas,“A Complete-Introduction of Big Data Analytics”, ISBN:978-93-92929-32-8,Blue Hill Publications, 2022.</b></p> <p>The primary objective of this book is to provide an in-depth understanding of Big Data Analytics, covering its fundamental concepts, tools, and applications. The book aims to:</p> <p>Introduce Big Data Concepts: Provide a solid foundation in Big Data, including its characteristics (volume, velocity, variety, and veracity) and the challenges associated with processing and analyzing large datasets.</p>
<p>6.</p>	<p><b>Dr. SH Abbas,“Internet and Web Programming+Projects”, ISBN:978-93-90903-70- 2,Delight Publications, 2021</b></p> <p>The primary objective of this book is to provide a comprehensive understanding of internet and web programming, with a focus on practical implementation through projects. Teach the core concepts of web development, including HTML, CSS, JavaScript, and how they work together to create interactive and dynamic web pages.</p>

<p>7.</p>	<p>Dr.S.H,Abbas,“Computer Programming Fundamentalsusing C”, ISBN:978-81-951982-2-1, Bhumi Publishing, 2021.</p>
-----------	---

**Worked As A Editor in Edited Books (( International))**

<p>8</p>	<p>Dr. S .H .Abbas, “Impact of Integrated Artificial Intelligence in Human Resource Management Functions” <i>E-ISBN: 978-1-68576-398-5, IIP , 2023( International)</i></p> <p>The primary objective of this book is to explore the transformation role of Artificial Intelligence (AI) in revolutionizing Human Resource Management (HRM) practices and functions.</p>
----------	--

<p>9</p>	<p>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) ( As a chief-Editor)</p> <p>The primary objective of this book is to explore and analyze emerging technologies and tools that drive the evolution of Industry 5.0, focusing on the synergy between humans and advanced technologies.</p>
----------	---

1.	Abbas, Syed H. “A Proposed Deep Learning Framework for Internet-of-Medical Things.” In <i>C Press, Taylor &amp; Francis Group, January 2025. ISBN 9781003606635.(Scopus)</i>
2.	Abbas, S. H. (2025) “Designing an effective real-time fraud detection system with machine learning techniques” In <i>Advances in Science, Engineering, and Technology . CRC Press, Taylor &amp; Francis. ISBN: 9781041076483..(Scopus)</i>
3.	Dr. S. H. Abbas, “ <b>A Proposed Machine Learning Algorithm For Predicting Adverse Drug Interaction</b> ”, in Book of Abstract, <i>Tech Horizon 2023, S.U, Mangalore , Dec. 2023.</i>
4.	Dr. S. H. Abbas, “ <b>Industry 5.0 Potential for Society: Human-Centered Challenges and Solutions and Potential Areas for Research</b> ” in <i>Current Technologies and Tools Aiding Industry 5.0 Development, ISBN (13):978-1-5275-5408-5, Cambridge Scholars Publishing, united kingdom December 2023</i>
5.	Dr. S. H. Abbas, “ <b>Industry 5.0-Based Internet of Things Based on Artificial Intelligence</b> ” in <i>Current Technologies and Tools Aiding Industry 5.0 Development, ISBN (13):978-1-5275-5408-5, Cambridge Scholars Publishing, united kingdom December 2023</i>
6.	Dr. S. H. Abbas, “ <b>Industry 5.0 Revolution in Education: Future Research Needs and Challenges</b> ” in <i>Current Technologies and Tools Aiding Industry 5.0 Development, ISBN (13):978-1-5275-5408-5, Cambridge Scholars Publishing, united kingdom December 2023</i>
7.	Dr. S. H. Abbas, “ <b>Implementation of Industry 4.0 and Preparation for Industry 5.0 in Industrial Organizations</b> ” in <i>Current Technologies and Tools Aiding Industry 5.0 Development, ISBN (13):978-1- 5275-5408- 5, Cambridge Scholars Publishing, united kingdom December 2023</i>
8.	Dr. S. H. Abbas, “ <b>How Employees Survive in the Industry 5.0 Era: Skills in High Demand in the Near Future</b> ” in <i>Current Technologies and Tools Aiding Industry 5.0 Development, ISBN (13):978-1-,5275- 5408- 5, Cambridge Scholars Publishing, united kingdom December 2023</i>

9.	Dr. S.H. Abbas, <b>Role and Impact of Blockchain in Cyber security</b> , in <b>IGI- GLOBAL</b> , ISBN 9781799884934 , Sep. 2022. DOI: 10.4018/978-1- 7998-8493- 4.ch005
10.	Dr. S. H. Abbas, “ <b>An Approach Towards Security and Privacy in Pervasive Healthcare System</b> ” , in Springer\ESA, ISBN 978-3-030-77745-6 , Sep. 2021.
11.	Dr. S. H. Abbas, Dr. S.K.Agarwal, “ <b>A review of AI Techniques for 6G Communications: Architecture security and potential solutions</b> ” , C Press Taylor & Francis Group, ISBN 9781032006826 August 2021
12.	S. H. Abbas, Dr. S.K.Agarwal, “ <b>An Approach Towards Industry 4.0 and its applications in the Healthcare Sector</b> ” Elsevier, June 2021.
13.	S.H. Abbas “ <b>Impact of AI in manufacturing Industries</b> ” Published in International chapter book, Red shine, ISBN:978-1-4834-3085-0, May 2021

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

**Accepted Papers**

- **FashNet: An Improved Hybrid Deep Learning for Multi-Attribute Fashion Classification using Cuttlefish Optimization**” has been **accepted for publication** in the journal: *International Journal of Computational Intelligence Systems (Springer Nature)*. **Indexed in SCIE and Scopus (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**
- Paper titled “**Blockchain-Powered Transparent Governance for Enhanced Citizen Participation** Systems (ICIMSSS-24) Scopus Indexed Conferences **Paper ID is: ICIMSSS-463**

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. 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).**
3. 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> (Scopus Indexed))**
4. **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**
5. **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**
6. **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**

7. 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
8. Abbas, S. H. (2025). Generative AI for Simulating Personalized Treatment Plans for Dental Cancer Patients. ICONSTEM 2025, Chennai, India, pp. 1–6. DOI: 10.1109/ICONSTEM65670.2025.11374656. IEEE
9. 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>
10. .S. H. Abbas, “The Future Of Surgery: A Guide To Machine Learning For Surgeons”, *Journal of Neonatal Surgery*, Vol. 14, Issue 13s (2025), Scopus Q3
11. Dr. S. H. Abbas, “Sustainable Healthcare Through IoT And Pervasive Computing: A Reinforcement Learning Approach”, *Journal of Neonatal Surgery*, Vol. 14 No. 10S (2025), Scopus Q3
12. 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.
13. Dr. S. H. Abbas, “*Machine Learning-Based Sentiment Analysis for Suicide Prevention and Mental Health Monitoring in Educational Institutions*”, *Journal of Neonatal Surgery*, Vol. 14 No. 5S (2025), Scopus Q3
14. Dr. S. H. Abbas, “Modern Healthcare with Machine Learning: Innovation and Future Prospects.” *Cuestiones de Fisioterapia* 54, no. 4 (2025). Scopus Q4.
15. Dr. S. H. Abbas, “AI model for automated kidney stone detection,” *GIS Science Journal*, vol.12, no. 3, 2025.
16. 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)

17. 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
18. 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)
19. 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)
20. Dr. S.H. Abbas Published a paper on ,”Robust Prediction of COVID-19 Mortality with Ridge Regression and Hyperparameter Optimization” in **ICOFE 2024, International Conference SSRN, Elsevier Conference , Publication** <http://dx.doi.org/10.2139/ssrn.5083709> (Jan 2025)
21. 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
22. 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>
23. Dr. S.H. Abbas Published a paper on “Exploring Subcellular Location Anomalies: A Novel Quantum

Bioimaging Paradigm” in *Optical and Quantum Electronics (Q2-SCIE) (Springer)*. Q2-SCIE, Scopus (Springer) <https://link.springer.com/article/10.1007/s11082-023-06272-9>

24. Dr. S.H. Abbas Published a paper on “A fuzzy-based proposed forecast model for brain disease” in International Neurourology Journal (SCOPUS-Q-2), December 2023.
25. Dr. S.H. Abbas Published a paper on “Deep learning framework for analysis of health factor in internet-of-medical things” in Radioelectronics and Communications Systems (Springer) (SCOPUS, Q3), Special Issue2023 6G System Technologies, November 2023. DOI: 10.3103/S0735272723030056
26. Dr. S.H. Abbas Presented a Paper “IoTWP: Design and Development of Internet of Things Assisted Weather Prediction Scheme with Advance Remote Tracking Norms” at the 1st IEEE International Conference on Multidisciplinary Research in Technology and Management (MRTM 23), Bengaluru, 22-23 September 2023.
27. Dr. S.H. Abbas Published a paper on “Artificial Intelligence and Deep Learning Based Agri & Food Quality and Safety Detection System” in *International Journal of Intelligent Systems and Applications in Engineering (Scopus - Elsevier)*, Vol. 12 No. 1s, 2024.
28. Dr. S.H. Abbas Presented a Paper “A Proposed Machine Learning Algorithm For Predicting Adverse Drug-Drug Interaction” at the 1st International Conference on TechHorizon 2023, Srinivas University, Mangalore, 11 December 2023.
29. Dr. S.H. Abbas Published a paper on “Detailed Investigation of the Role of Machine Learning Technology in Stock Market Predictions” in *The British Journal of Administrative Management (ABDC Scopus Indexed)*, Vol. 58, Special Issue 08, February 2023.
30. Dr. S.H. Abbas Published a paper on “Classification and Clustering of Internet of Things (IoT) for Integrating IoT Services Platform” in IEEE 2023, 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA), 29-30 September 2023. DOI: 10.1109/ICIDeA59866.2023.10295225

31. Dr. S.H. Abbas Published a paper on “An Advanced Cloud-Based Plant Health Detection System Based on Deep Learning” in IEEE 2022, *5th International Conference on Contemporary Computing and Informatics (IC3I)*, 14-16 December 2022. DOI: 10.1109/IC3I56241.2022.10072786
32. Dr. S.H. Abbas Presented a Paper “Control of Software-Defined Networks of Unmanned Aerial Vehicles using Distributed Deep Learning” at the *Third International Conference on Artificial Intelligence and Smart Energy (ICAIS)*, IEEE, 02-04 February 2023. DOI: 10.1109/ICAIS56108.2023.10073872
33. Dr. S.H. Abbas Presented a Paper “An Investigation on Blockchain Technology in Smart Certification Model for Higher Education” at the 2023 *10th International Conference on Computing for Sustainable Global Development (INDIACom)*, IEEE, 15-17 March 2023
34. Dr. S.H. Abbas Presented a Paper “Breast Cancer Detection Using Hybrid Framework” at the *National Assessment and Accreditation Council, Bengaluru-sponsored National Conference, 26 December 2022*.
35. Dr. S.H. Abbas Presented a Paper “Breast Cancer Detection Using CNN” at the S.P.M, Satara, Maharashtra sponsored *International Conference*, 30 November 2022.
36. Dr. S.H. Abbas Published a paper on “An Approach towards Cancer Detection Using Machine Learning” in *Gradiva Review Journal (UGC Approved)*, Vol. 8, Issue 12, December 2022.
37. Dr. S.H. Abbas Published a paper on “An Anticipation and Categorization of Lung Cancer Using Machine Learning Method” in *IJARESM (UGC Approved)*, Vol. 10, Issue 7, July 2022.
38. Dr. S.H. Abbas Published a paper on “An Anticipation and Categorization of Lung Cancer Using Machine Learning Method” in *IJFMR (UGC Approved)*, Vol. 4, Issue 1, January 2022. DOI: 10.36948/ijfmr.2022.v04i01.919
39. Dr. S.H. Abbas Published a paper on “AI and Blockchain in Healthcare” in *IRJET (UGC Approved)*, Vol. 8, Issue 9, September 2021.
40. Dr. S.H. Abbas Published a paper on “IoT for Modern Life” in *JETIR (UGC Approved)*, Vol. 8, Issue 3, March

2021.

41. Dr. S.H. Abbas Published a paper on “A Comparative Study of Online Teaching in Higher Education System in India due to Impact of COVID- 19” in *SPJMR (UGC-CARE Approved)*, Vol. 10, Issue 15, September 2020
42. Dr. S.H. Abbas Published a paper on “Selective Reading AI in Education” in *Surajnj Journal for Multidisciplinary Research (UGC-CARE Approved)*, Vol. 10, Issue 11, February 2020
43. Dr. S.H. Abbas Published a paper on “A Selective Reading on Future Generation of 5G Wireless Mobile Network Framework” in *International Journal Compliance Engineering Journal (UGC-CARE Approved)*, Vol. 10, Issue 12, December 2019
44. Dr. S.H. Abbas, Dr. S.K. Agarwal Published a paper on “Ant Colony Optimization Towards Image Enhancement” in *International Journal of Multidisciplinary Educational Research (Scopus Indexed)*, Vol. 8, Issue 9(2), September 2019
45. Dr. S.H. Abbas, Dr. S.K. Agarwal Published a paper on “Digital Image Processing Real Time Applications” in *International Journal of Engineering Science Invention (IJESI)*, Vol. 18, Issue 7, August 2019.
46. Dr. S.H. Abbas, Dr. S.K. Agarwal Published a paper on “Image Processing Using Ant Colony Optimization” in *JETIR (UGC Approved)*, Vol. 6, Issue 6, July 2019
47. Dr. S.H. Abbas, Dr. S.K. Agarwal Published a paper on “Ant Colony Optimization Towards Image Processing” in *Journal of Advances and Scholarly Researches in Allied Education (UGC Approved)*, Vol. 16, Issue No. 9, June 2019.
48. Dr. S.H. Abbas, Mohd Vasim Ahamad Published a paper on “Image Processing and Determination Techniques” in *National Journal of Ignited Minds, June 2019.*
49. Dr. S.H. Abbas, Mohd Vasim Ahamad Published a paper on “Image Processing and Determination Techniques” in *National Journal of Ignited Minds, June 2019.*

50. 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 ( <b>Application Number: 202511091282</b> ) <b>November 2025</b>
02.	Advanced machine learning techniques for predicting T20 cricket match winners ( <b>Application Number: 202511035852</b> ) <b>April 2025</b>
03.	Ultra-Secure Biometric Identification System with Deep Learning Enhancements. ( <b>Application Number: 202341054682</b> ) <b>September 2023</b>
04.	An Intelligent Hybrid Model For Breast Cancer Detection, <b>February2023</b> ( <b>Application Number: 202311004587</b> )
05.	Implementing Machine Learning And Deep Neural Networks To Analyse Stock Market Trends And Assess The Accuracy Of Market Predictions, <b>January 2023</b> , ( <b>Application Number: 202341001183</b> )
06.	Artificial Intelligence Based Automatic Text Adaptation Device to Assist Language Learning in Understanding Content Informative Teaching Strategies Based on Deep Learning, <b>January 2023</b> ( <b>Application Number: 202341003009</b> )

07.	Artificial Intelligence and Machine Learning Based Method for Recognizing Abnormal Activity In Vehicles. <b>December, 2021 (Application Number: 202121057429)</b>
08.	Artificial intelligent based detection and prevention-of various Breast Cancer using Machine Learning and Big Data for health care management. <b>March, 2022 (Application Number: 202241011933)</b>
09.	Artificial Intelligence based approach to predict the impact of Breast Cancer using the algorithms WSN and Image Processing Techniques. <b>(November, 2022) (Application Number: (202241069848))</b>
10.	Machine Learning based approach to Predict the Political Determinants of Economic Exchanges in India. <b>December (Application Number: 202241075965)</b>
<b>CANADA GRANTED</b>	
11.	A Novel Technique Based On Support Vector Machines For Predicting The Daily Closing Prices Of elected Shares-in The Stock Market. <b>(Canada, Application Number: 1198609)</b>
12.	Deep learning based Flower plucking drones for farmer. <b>(Canada, Application Number: 1198782)</b>

## REVIEWER OF JOURNALS

- National Academy Science Letters, SCIE, Springer Nature, e Journals Indexed in Q-1-SCIE/SSCI
- Scientific Reports: SCIE, Springer Nature
- The Journal of Super computing, SCIE, Springer Nature

- Artificial Intelligence and Applications, Singapore Bon View Publishing Pte. Ltd.
- SSEME
- Decision Analytics Journal (sciencedirect)

**PROJECT DRAFTED**

- Real-Time Object Detection and Tracking in Unmanned Aerial Vehicles Using Deep Learning Algorithms

**PERSONAL INFORMATION**

**Name:** Dr.Syed Hauider Abbas  
**Designation :** Faculty of CSE in Integral University  
**Father Name:** Mr. S. Hasan  
**Residence Address :** H.N. 340/54 Sitla Square-03  
**Languages known :** Hindi,English,Urdu and Arabic

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



Date:16/04/2026

(Dr.S.H. Abbas)