

Kings College of Engineering

Department of Computer Science and Engineering

Name: K.ABINAYA	
Designation:	ASSISTANT PROFESSOR
Qualification:	M.TECH(Advanced Computing)
Area of Specialization:	• Artificial Intelligence and Machine Learning • Cloud Computing
Experience:	Teaching: UG:5 years PG:NIL
	Industry:-
No. of workshop/Conferences/FDP attended:	36
Publication:	Journal National:- International : 07
	Conference National:- International:06
Membership:	Institution of Engineers India(IEI) Member

Publications:

1. Published "Fault Data aggregator recovery process in Wireless sensor networks" paper in IJAER (International Journal of Applied Engineering Research). [ISSN 0973-4562 Volume 9, Number 17 (2014) pp. 2863-2871]
2. Published "Emission Tracker:Instantaneous Monitoring and Extrapolative Analysis of Vehicle Consume Dischargees for Ecological Sustaninablity" in GRADIVA REVIEW JOURNAL(An UGC-CARE Approved Group-II Journal) in volume 11,Issuse 5, May 2025 ,ISSN NO:0363-8057.
3. Published a paper, Lung Disease Detection Using Deep Learning", in International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), vol. 06, Issue 05, May 2024.
4. Published a paper,"A Research On Cloud Computing" in IJSART (International Journal for Science and Advance Research in Technology) in Volume 11 Issue 4 –APRIL 2025 ISSN [ONLINE]: 2395-1052.
5. Published "Integrating Semantic Web Into Context-Aware Mobile Application Based On Cloud Computing in IJSART (International Journal for Science and Advance Research in Technology) in Volume 11 Issue 4 – APRIL 2025 ISSN [ONLINE]: 2395-1052.
6. Published "Empowering Libraries: AI Driven tools and techniques for Digital Transformation and sustainable Innovation IJSART (International Journal for Science and Advance Research in Technology)in Volume 11 Issue 5 –May 2025 ISSN [ONLINE]: 2395-1052.
7. Published "Artificial Intelligence and its application IJSART(International Journal for Science and Advance Research in Technology) in Volume 11 Issue 4 – APRIL 2025 ISSN [ONLINE]: 2395-1052.

Patent:

Title of Invention "Cloud computing device for enhanced cloud security" dated on 20 May 2025.

International /National Conferences:

1. Presented a paper titled on "Face Biometric Authentication For ATM Using Deep Learning" International Conference organized by Velammal Institute of Technology, Chennai during 6.4.2024.
2. Presented a paper titled on" Developing an ATM Security System utilizing Facial Biometrics And Deep Learning" International Conference organized by Kings College of Engineering during 02.05.2024 & 03.05.2024.
3. Presented a paper titled on International Conference on"Optimized inventory management system for streamlining operations for efficiency organized by Kings College of Engineering, Punalkulam during 02.05.2024 & 03.05.2024.
4. Presented a paper titled on" Block chain Faced Biometric authentication for elevating security standards "International Conference organized by Kings College of Engineering, Punalkulam during 02.05.2024 & 03.05.2024.
5. Presented a paper titled on "AI powered solutions for Efficiency Tracing and Identifying, locating missing persons using Advanced Technology organized by Karpagam College of Engineering,SEGi University, Coimbatore on 04.05.2025.
6. Presented a paper titled on "Advanced AI tracking solution: I powered solutions for Efficiency Tracing and Identifying, locating missing persons using Advanced Technology" organized by Kings College of Engineering, Punalkulam during 8/5/2025& 9/5/2025.

FDP/Seminar attended

1. Attended 5 days FDP on “Program on Cloud Infrastructure(AWS)” conducted by Chalapathy Institute Of Engineering & Technology, Andhra Pradesh in collaboration with Brain-O-vision Solutions India Pvt.Ltd and All India Council for Technical Education(AICTE) during the period of 21.08.2023 to 25.08.2023 through offline mode.
2. Participated in AICTE Recognized FDP on Deep learning from 11.09.2023 to 15.09.2023 at NITTR, Chandigarh.
3. Participated in 5 days FDP on “Exploring Horizons: The Next Wave of AI and data science from 25.09.2023 to 29.09.2023 at SRM TRP Engineering college, Trichy.
4. Attended “Five days Faculty Development program on Microsoft Power BI, Anaconda Tools, IBM Congo’s Analytics for Business Analytics and Data Science “Conducted by Department of Computer Science and Engineering held at Kings College of Engineering from 19.09.23 to 23.09.23.
5. Attended Three-day National Level Workshop on “Data science and Machine Learning from 18th October to 20th October conducted by Kings College of Engineering.
6. Participated in 15 hours of Faculty Development Program on Sales force Platform Developer 1 conducted by ICT Academy on 22 Jan 2024 to 27 Jan 2024 through online mode.
7. Participated Five-days IEEE Madras section sponsored Workshop on “Emerging trends in Artificial Intelligence and Deep Learning” conducted by Department of Electronics and Communication Engineering held from 26.12.2023 to 30.12.2023.
8. Attended 2 days FDP on " CHALLENGES, INNOVATIONS AND OPPORTUNITIES CURRENT SCENARIO ", organized by Internal Quality Assurance Cell(IQAC), Kings College Engineering Punalkulam, on 21.12.2023 & 22.12.2023.
9. Attended AICTE Recognized One Week ICT National Level STC on “ Machine Learning & Predictive Analysis ” organized by NITTR, Chandigarh during 20.11.23 to 24.11.23 through online mode.
10. Attended One-day National online FDP on “Research Methodology and Research Report Writing” Organized by Trinity College of Engineering & Technology, Pedapalli on 21 st March 2024.
11. Attended Five-day online FDP on “AI for Educators” conducted by Institute of Public Enterprise (IPE), Hyderabad on May 20 th - May 24 th , 2024.
12. Attended one week online FDP on “ Research methodology for Engineering and sciences ” Conducted by NITTR, Kolkata on May 27 th -May 31 th .
13. Attended one week online FDP on “Deep dive into deep learning a practical workshop” conducted by Anantrao Pawar College of Engineering & Research, Pune on June 3 rd -June 7 th , 2024.
14. Participated in 15 hours of Faculty Development Program on Palo Alto Cloud Security Fundamentals conducted by ICT Academy on 29 Jul 2024 to 2 Aug 2024 through online mode.
15. Participated in 15 hours of Faculty Development Program on Android Basics with Compose(Online FDP) conducted by ICT Academy on 29 Jul 2024 to 2 Aug 2024 through online mode.
16. Participated in one day FDP on “Outcome Based Education” conducted by Kings College of Engineering at 23.09.2024.
17. Participated in one week Faculty Development Program on “Transformative Technologies in Health care: Leveraging Data Science, IoT and AI” organized by St. Joseph’s college of engineering and technology on 23.09.2024 to 28.09.2024 through online mode.

18. Participated in one week Faculty Industry training Program (FTTP) on “Explainable Artificial Intelligence (NAI Technology)” in association with MIT Square, London organized by SRM Institute of Science and Technology, Ramapuram, Chennai from 08-07-2024 to 12-07-2024.
19. Participated in one week online Faculty Development Program on “Data Science and Machine Learning Applications for Engineering and Sciences” organized by Shri Vishnu Engineering College for women (Autonomous), Bhimavaram from 21-10-2024 to 27-10-2024.
20. Participated in Three days Faculty Development Program (FDP) on “Latest trends in Cloud Computing” from 13.11.2025 to 15.11.2025 at Kings College of Engineering.
21. Attended one week online ATAL FDP on “Enhancing Network Performance with AI and Machine Learning- Through Use case approach “ at IILM University, Gurugram from 06.01.25.
22. Attended one week online ATAL FDP on “Next-Gen AI: Innovations in Machine Learning, Deep Learning, and Generative Models “at St. Joseph's College Of Engineering & Technology, Palai from 13.01.25.
23. Attended one week online ATAL FDP on Recent Trends in Artificial Intelligence and Quantum Computing at St. Joseph's College Of Engineering And Technology, Thanjavur from 03.02.25.

Programs organized

1. Organized IEEE Madras Section Sponsored a Three day workshop on “ Data Science & Machine Learning ”, from 18 th October 23 to 20 th October 2023 at Kings College of Engineering.
2. Organized “Millet and India Poster Design Competitions” during 12 th March 2024 at Kings College of Engineering.
3. Organized External One Day Workshop in the topic of “Full Stack Development “during 22 nd March 2024 at Kings College of Engineering.
4. Organized Webinar on “Quality assurance in software testing” as part of IEI Students Chapter on 31.05.2024 at Kings College of Engineering.
5. On behalf of IEI organized Code Writing on python programming event on 2.08.2024 at Kings College of Engineering.
6. Organized External One Day seminar in the topic of Project End in View on 23 Sep 2024 at Kings College of Engineering.