

CURRICULUM VITAE



Dr. Bably Dolly

**Assistant Professor, Department of Computer Application, Faculty of Engineering,
Integral University, Lucknow**

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PROFILE

Dr. Bably Dolly

(MCA, UGC-NET, M.Tech(CSE), Ph.D.(CS))

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Location: Lucknow

PROFESSIONAL QUALIFICATION

- **Ph.D.(Computer Science), 2022** , Department of Computer Science, Babasaheb Bhimrao Ambedkar University, Central University, Lucknow , awarded
- **M.Tech (CSE), 2016**, Integral University, Lucknow-(FIRST WITH HONOURS)
- **MCA , UGC-NET qualified**

PREVIOUS WORK EXPERIENCES

- Assistant Professor, Dept of Computer Application, **Integral University, Lucknow**, 2022-till date
- Assistant Professor, **Dept. of CS and IT, Babasaheb Bhimrao Ambedkar University, Central University, Lucknow**
- **Assistant Professor(Temp), Department of Computer Science, KMC Language University, Lucknow**
- Lecturer(Guest), **University of Lucknow, Lucknow**, Uttar Pradesh
- BCA part time counselor, **Regional Centre, IGNOU, Lucknow**

RESEARCH INTEREST:

- Artificial Intelligence, Machine Learning
- Image Processing and Pattern Recognition
- Software Engineering and Requirement Elicitation
- Cyber Security

SUMMARY OF RESEARCH ACCOMPLISHMENT:

- Awarded Ph.D. in Computer Science from Babasaheb Bhimrao Ambedkar University, Lucknow
- Published numerous research papers in esteemed international journals and conferences, focusing on image retrieval, cyber security, and artificial intelligence
- Authored books and chapters on quantum cryptography, cyber security, and software engineering
- Delivered invited talks on topics like machine learning, cyber security, and gender mental health
- Recipient of the Best Trainee Award from SERB India

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- **Coordinator:** Expert Lectures on "Machine Learning" (March 2024) and "Full Stack Development" (May 2024) at Integral University, Lucknow
- **Committee Memberships (2023-24):** Cultural, Artistic, NAAC Criteria 3, Proctorial Board, Guest Lectures, Competitive Exam Preparation, Disciplinary/Anti-Ragging, Student Welfare, and Innovative Teaching & Learning
- **Previous Roles (2022-23):** Member Secretary of Women Grievance Redressal Cell, and active in Cultural, Artistic, and NAAC committees
- **Former Leadership Roles (2016):** Member (Board of Undergraduate Studies), Incharge of Computer Science & IT Department and Assistant Warden at Baba Bhimrao Ambedkar University, Amethi Campus

PUBLISHED/GRANT PATENTS

- **Sensor –Based Wireless Earbuds with voice Cancellation: A New Era for Audio, UK Design Patent,** Design No: 6383996, **Granted**-date 19 Aug 2024
- **A DEVICE TO RECOGNIZE FUNGAL DISEASES USING IMAGE PROCESSING AND ANN APPROACH IN PLANTS,** Position 2: Applicant and Inventor, Patent no- 202141046612, Indian patent, status- Published
- **INTEGRATED APPROACH BY IMAGE PROCESSING AND NEURAL NETWORK TO IDENTIFY HEALTH OF THE PLANT,** Position 6: Applicant and Inventor, Patent no -202141044820, Indian patent, Status-Published
- **AUTOMATED TOKEN BASED SYSTEM TO MINIMIZE CROWD IN A GENERAL POST OFFICE,** position: Inventor only, Patent no -201941044561, Indian Patent, Status-Reply Filed. Application in amended examination
- **“Sensor Based Robotic Display for Interactive Marketing” , position-2nd , UK Design Patent,** Design No. 6403643, **Granted** Date 18 /11/2024

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

- Vidullatha Pellakuri, Bably Dolly, et.al,(2021) **“Multidimensional High Scaling Support Vector Machines For Feature Selection and Categorization”, Journal Computational and Theoretical Nanosciences,** Vol.18, 491-494, DOI: <https://doi.org/10.1166/jctn.2021.9558>
- Dolly, B., & Raj, D. (2021). **Image Retrieval Based on Texture Using Local Binary Pattern and Local Phase Quantization.** https://doi.org/10.1007/978-981-33-6307-6_7 Springer

- Dolly, B., & Raj, D. (2021). **Texture Based Image Retrieval Using GLCM and LBP**, Advances in Intelligent Systems and Computing, 1312 AISC. https://doi.org/10.1007/978-981-33-6176-8_5, **Springer**
- Dolly, B., & Raj, D. (2020). **Image Retrieval Based on Color Feature Similarity**. Journal of Physics: Conference Series, 1478(1). <https://doi.org/10.1088/1742-6596/1478/1/012014>, **IOP publication**
- Dolly, B., & Raj, D. (2019). **Color Based Image Retrieval by Combining Various Features**. International Journal of Engineering and Advanced Technology, 9(2), 454–460. <https://doi.org/10.35940/ijeat.b3163.129219>
- Dolly, B., & Raj, D. (2018). **Various Methods of Enhancement in Colored Images: A Review**. International Journal of Computer Sciences and Engineering, 6(7). <https://doi.org/10.26438/ijcse/v6i7.14531459>

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

- Bably Dolly,(2023), “Comparative Analysis of Leaf Disease Detection Techniques: A Comprehensive Review and Evaluation”, at the Global Multi-Track Conference (STAR 2023) held between October 8 and 14, 2023(in process) in organized by Special Minds, India Unifacvest University, South America, Integral University, India
- Bably Dolly, (2013),” **Artificial Intelligence the Emerging Technologies for Education**”, “Suraksha Paridrashya”-An Interdisciplinary Refereed Research Journal of Humanities & Social Sciences, vol.5 & 6, page 82, ISSN: 0976-8033
- Bably Dolly, Satyendra Srivastava, Mohammad Arif, (2016), “Key Management in Hierarchical MANET Using Kerberos (paper ID :91)”, International Journal of Computer Science & Information Technology/(ACEIT-2016), Technically Co-Sponsored by IEEE UTTAR PRADESH, Page No. IJCSIT-S242, impact factor-5.15, ISSN: 0975-9640
- Bably Dolly, Akheela Khanum (2016), “Requirement Elicitation in Mobile Apps: A Review” (Paper ID: 103), International Journal of Computer Science & Information Technology/ (ACEIT-2016), **technically Co-Sponsored by IEEE UTTAR PRADESH**, Page No. IJCSIT-S207, impact factor- 5.15, ISSN: 0975-9640
- Bably Dolly, (2016), “**A Review On Requirement Elicitation Using Social Networking**”, Information Security Challenges(NCISC-2016)- BBAU, Lucknow proceeding, VOL: II, ISBN: 978-93- 85304-35-4
- Bably Dolly, Dr. S.P. Kannaujia, (2014), “**Requirements Elicitation Process Through Conceptual Tool**”, “**Information Security and Software Engineering** “, Dept. of Computer Science University of Lucknow, Lucknow Proceeding,119
- Bably Dolly, (2014), “**Developing Integrated Learning Tool Based on Philosophy of Learning Through Agent Based Approach**, “Educated India-Capable India: Quality Education for All”, Dept. of Computer Science University of Lucknow, Proceeding, 92
- Bably Dolly, Anju Gupta, (2014), “**Information Security System**”, “**Information Security Challenges**”- **Dept. of Information Technology**, BBAU, Lucknow Proceeding, Vol: 1, Issue1, ISBN: 978-81-7678-220-3

PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

- Bably Dolly, (2016).” Requirement Elicitation and Elicitation Techniques”, International Journal of

Higher Education & Development, Vol 01, Issue07, ISSN: 2456-2629

- Bably Dolly, “**Cyber Crime: A threat**”, Global Journal of Multidisciplinary Studies, online double-blind peer Reviewed, Referred Indexed, ISSN No. 2348-0459
- Bably Dolly “**Conceptual Framework for Requirement Elicitation Through Mobile Based Social Networking Applications**”, Global Journal of Multidisciplinary Studies, online double-blind peer Reviewed, Referred Indexed, ISSN No. 2348-0459
- Bably Dolly,” **Mobile Based Social Networking Applications for Re Support: An Analysis**”, Global Journal of Multidisciplinary Studies, online double-blind peer Reviewed, Referred Indexed, ISSN No. 2348-0459
- Bably Dolly, “**Requirement Elicitation Through Mobile Based Social Networking Apps for Empowering Crowd**”, Global Journal of Multidisciplinary Studies, online double-blind peer Reviewed, Referred Indexed, ISSN No. 2348-0459

BOOK EDITED/ AUTHORED

- Bably Dolly,” **Requirement Engineering: A Social Networking Aspect in Mobile Application**”
Published by LAMBERT Academic Publishing, **ISBN No** 978-620-2-53084-2

BOOK CHAPTERS

- Farooq Ahmad, Bably Dolly, et.al,(2024) “**Securing the weakest link-compressive approaches to social engineering attacks prevention: Strategies for Enhancing organizational Resilience Against Social Engineering Threats**””, Effective Stretgies For Combatting Social Engineering in Cyber Security di:10.4018/979-8-3693-6665-3, ISBN 9798369366653
- Bably Dolly, (2022), “**Cyber Security: Challenges and Strategies**”, India’s Cyber Security: Challenges and Options, OPUS Publisher and Distributers, Delhi, ISBN 978-93-94870-13-0
- Dolly, B., & Raj, D. (2021). **Image Processing Using Quantum Computing: Trends and Challenges**. In N. Kumar, A. Agrawal, B. Chaurasia, & R. Khan (Ed.), Limitations and Future Applications of Quantum Cryptography (pp. 186-201). **IGI Global**. <http://doi:10.4018/978-1-7998-6677-0.ch010>

GOVT.PROJECT/ VALUE ADDED COURSES/MOOC:

- **Video Lectures** for Directorate of Distance Education(2023-24), **Integral University, Lucknow**
- **Video Lectures** for Directorate of Distance Education(2023-24), **Integral University, Lucknow**
- **SERB India: DST Project proposal:** Provisionally accepted, (2022-23)

MOOC: INVITED IN SEMINAR/OTHERS ACADEMICS:

- **Session Chair:** 2nd IEEE International Conference on Computational and Characterization Techniques in Engineering and Sciences (CCTES-24) organized by the Department of Electrical Engineering and Department of Electronics & Communication Engineering held on 15-16, November 2024.
- **Conference Paper Reviewer:** 2nd IEEE International Conference on Computational and Characterization Techniques in Engineering and Sciences (CCTES-24) organized by the Department of Electrical Engineering and Department of Electronics & Communication Engineering held on 15-16, November 2024.

- **Conference Paper Reviewer:** International Conference on Advances in Science, Engineering, and Technology (ICASET - 2024) from 30 – 31 July, 2024 organized by Department of Computer Application, Integral University, Lucknow, India in association with CRC Press, Routledge, Taylor and Francis Group.
- **Member of the Organizing Committee,** International Conference on Advances in Science, Engineering, and Technology (ICASET - 2024) from 30 – 31 July, 2024 organized by Department of Computer Application, Integral University, Lucknow, India in association with CRC Press, Routledge, Taylor and Francis Group.
- **Invited Talk** on title “**Diagnose mental disorder using Machine Learning**”, in two day National Seminar on “Rehabilitation of People with disabilities: Early Identification and Interventions” organized **Department of Empowerment of Persons with disabilities, Govt of Uttar Pradesh and Gender Championships Committee of Babasaheb Bhimrao Ambedkar University, Lucknow** dated 24th - 25th March, 2023
- **Value Aided Course:” Green Computing”** Invited Lectures (Chapter 3 and Chapter 4) (2022-23), organised by Department of Computer Application, Integral University, Lucknow
- **Speaker,** Two days National Seminar on “**India’s Cyber Security: Challenges and Options**” 10-11 December, 2022) sponsored by **ICSSR** conducted by **DAV College, Kanpur**
- **Best Trainee Award, SERB India organized by** Two week workshop, Rani Laxmi Bai Central Agricultural University, Jhansi, UP
- **Resource Person,** ”Workshop for development of textbook for the job role on CRM Domestic voice for class 12th in IT-ITeS Sector” organized by PSS central Institute of Vocational Education, Bhopal, MP

MEMBER IN SEMINAR/OTHERS ACTIVITIES:

- Seminar on title “Gender and Mental Health” organized by **Women Grievance Redressal Cell, Department of Computer Application, Integral University, Lucknow,** dated 5th December 2022
- Debate on title “HAS SOCIAL MEDIA BENEFITED OR HARMED PEOPLE’S MENTAL HEALTH” organized by **Women Grievance Redressal Cell, Department of Computer Application, Integral University, Lucknow,** dated 6th December 2022
- **Press Media Committee member and Maintenance Committee member** in National Workshop(14 days) on “Bakery Technology and Product Preparation”, organized by **Babasaheb Bhimrao Ambedkar University, Satellite Campus, Amethi, dated 9th -22nd April 2017**

COURSE TAUGHT:

B.Sc.(IT), M.Sc.(IT), BCA, MCA, M.TECH

EXTRA CURRICULA ACTIVITIES:

- NCC B Certificate(‘B’ Grade)
- NCC C Certificate(‘B’ Grade)
- Hindi Self Own Poem Writing(University Level Winner)