

Name of Faculty	Dr. Ajaysinh D. Rathod
Designation	Assistant Professor
Email id	ajaysinhrathod.ce@bitseducampus.ac.in
Contact number	0265-2303991 Ext: (962)
Total Experience	12 years 8 months
Teaching Industry	10.08 Years 02 Years
Professional Summary	<ul style="list-style-type: none"> • Assistant Professor, Computer Science and Engineering Department, Babaria Institute of Technology, Vadodara since October 2021. • Ph.D. in Computer Engineering with 13 years of experience • Worked as an assistant professor in the Department of Information Technology, Vadodara Institute of Engineering (VIE), Kotambi, Vadodara since 1st June, 2011. to 31st September, 2021. • Worked as a Head of IT & CE department at Vadodara Institute of Engineering (VIE), Kotambi, Vadodara since 1st August, 2015. to 31st September, 2021. • Played a Key Role in developing various Computer Labs for B.E. I.T. & B.E. C.E. during Year 2015 to 2021. • Worked as Software Engineer at SHARP TECHNO SOLUTION,AHMEDABAD during 2008 to 2009. • Worked as Software Engineer at KAUSHALM DIGITAL PVT. LTD., NARANPURA, AHMEDABAD. During 2007 to 2008. • Worked as a GTU Innovation Council Coordinator in College for 5 years. • Worked as a Technical Event Coordinator in the department for 5 years. • Worked as a Sports Coordinator in College for 5 years. • Worked as a Coordinator/ Convenor for various technical state and national level events, international conferences, STTP and FDP • Worked as a reviewer in International Conference / Journal • Taught 14+ courses at undergraduate and postgraduate levels • Delivered Expert Lectures • Published more than 15 research papers in peer reviewed journals and conferences • Guided 35+ undergraduate level Projects • Life Member of ISTE

Current Activities	<ul style="list-style-type: none"> • Assistant Professor, Computer Science and Engineering Department, Babaria Institute of Technology, Vadodara • SSIP Department Level Coordinator • Members-Syllabus Design Committee • Industrial Visit Coordinator • Coordinator- Technical Events • Member-Lab Development Committee
Specialization Areas	<ul style="list-style-type: none"> • Information Security & Privacy • Location based Privacy • IoT • Big Data Analytics • Data Science • Computer Networks
<ul style="list-style-type: none"> • Subject Taught (UG/PG) 	<ul style="list-style-type: none"> • UG Level • Information Security • Advance .Net Technology • Software Engineering • Dot Net Technology • Computer Networks • Advance Computer Networks • Computer Programming and Utilization • Database Management System • Object Oriented Analysis Design And UML • Data Structure and Algorithms • Big Data Analytics • IOT and Applications • Programming For Problem Solving • Computer & Network security • Seminars and Industrial Project
	<ul style="list-style-type: none"> • PG Level • Guidance for Dissertation Work
Qualifications	<ul style="list-style-type: none"> • Ph. D - (Computer Engineering) from the P. G. Studies & Research, RDI Centre, C. U. Shah University in Wadhwan - Surendranagar, Gujarat . • M. Tech. (Computer Science & Engineering) from Rajasthan Institute of Engineering & Technology, Rajasthan Technical University, Kota, Rajasthan. • B. E. (Information Technology) from Sakalchand Patel College of Engineering, Hemchandracharya North Gujarat University, Patan,

	<p>Gujarat.</p> <ul style="list-style-type: none"> • Diploma (Information Technology) from Dharmsinh Desai Institute of Technology, DEEMED University, Nadiad, Gujarat.
Skills	Usage of Modern ICT Tools, Data Analytics tools, Programming languages, Database Design, Problem Analysis, Design and Solving
Publications	<p><u>International Journal Papers</u></p> <ol style="list-style-type: none"> 1. Ajaysinh Rathod, "Performance Evaluation of Inference Engine in Static and Changeable Environment" in International Journal of Computer Science and Information Technologies - Impact Factor: 2.93 ISSN: 0975-9646, Vol. 3 (3) 2012, pg.4199-4201. 2. Ajaysinh Rathod, "Classifying Problem in Inference Engine for Different Version Based Ontology" in International Journal of Computer Science and Information Technologies - Impact Factor: 2.93 ISSN: 0975-9646, Vol. 4 (1), 2013, 167 -170. 3. Ajaysinh Rathod, "An Evaluation Of Loading Time For Tableaux Based Inference Engine For Extensional Version Based Ontology", International Journal of Advanced Research in Computer Science and Software Engineering- Impact Factor: 2.03 ISSN: 2277128X, Volume 3, Issue 7, July 2013. 4. Ajaysinh Rathod, Dr. Vivaksha Jariwala, "Decentralized Collaborative TTP Free Approach for Privacy Preservation in Location Based Services" in International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088- 8708, Vol 9, No 6: December 2019 (Part II). (SCOPUS INDEXED) 5. Ajaysinh Rathod, Dr. Saurabh Shah, Dr. Vivaksha Jariwala, "Evaluating Performance Of Asymmetric Homomorphic Encryption Algorithms For Privacy Preservation In Location Based Services" in International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-3, pg.2191-2194, Sept 2019. (SCOPUS INDEXED) 6. Ajaysinh Rathod, Dr. Vivaksha Jariwala, "SCALABLE COLLABORATIVE APPROACH FOR PRIVACY PRESERVATION IN LOCATION BASED SERVICES" Indian Journal of Computer Science and Engineering (IJCSE) e-ISSN : 0976-5166 Vol. 13 No. 1 Jan-Feb 2022. (SCOPUS INDEXED)
	<p><u>International Conference Papers</u></p> <ol style="list-style-type: none"> 7. Disha patel, Hitarthi Hora, Prof. Ajaysinh Rathod, "Analysis of Security Threats On Data In Distributed Application" in International Journal of Advance Engineering and Research Development e-ISSN: 2348-4470 April, 2017. 8. Rathod A., Jariwala V., "Investigation of Privacy Issues in Location-Based Services". In: Sa P., Bakshi S., Hatzilygeroudis I., Sahoo M. (eds) Recent Findings in Intelligent Computing Techniques.

	<p>Advances in Intelligent Systems and Computing, vol 707. Springer, Singapore, 2019. (SCOPUS INDEXED)</p> <p>9. Mansi Patel, Meet Patel, Nancy Patel, Ajaysinh Rathod, "Pattern Based Data Security Algorithm" in International Journal of Advance Engineering and Research Development e-ISSN: 2394-4099 449-454 April -2018.</p> <p>10. Rathod A., Jariwala V., "Hybrid Cryptographic Based Approach for Privacy Preservation in Location-Based Services", In: Woungang I., Dhurandher S. (eds) 2nd International Conference on Wireless Intelligent and Distributed Environment for Communication. WIDECOM 2018. Lecture Notes on Data Engineering and Communications Technologies, 2019, vol 27. Springer, Cham. (SCOPUS INDEXED)</p>
	<p><u>National Conference/Journal Papers</u></p> <p>11. Ajaysinh Rathod, "Evaluating Satisfiability Concept For Tableaux Based Inference Engine For Large Version Based Wine Ontology Using Query Answering", VIER Journal Of Engineering Research-ISSN NO. : 2349-9079, Jan 2014.</p> <p>12. Ajaysinh Rathod, Mukesh Singh "Survey of Routing Protocol of Mobile Ad Hoc Network", VIER Journal Of Engineering Research-ISSN NO. : 2349-9079, Jan 2014.</p> <p>13. Ajaysinh Rathod, Samir Patel "Comparative Analysis Of Ecommerce Solution In Open Source Content Management System Shopping Cart", NC3R, Vadodara Institute of Engineering, Kotambi, Jan, 2014.</p> <p>14. Ajaysinh Rathod, "Evaluating Performance using Satisfiability Concept for Tableaux based Inference Engine for Large Version Based Ontology Domain using Query Answering", VIER Journal Of Engineering Research-ISSN NO. : 2349-9079, Aug, 2015.</p> <p>15. Jay Patel, Chirag Shah, Prof. Ajaysinh Rathod, "Survey and Analysis of Captcha System", VIER Journal of Engineering Research-ISSN NO.: 2349-9079, Aug, 2016.</p>
<p>Activities and honors</p>	<p>1. Delivered an Expert Lecture on "Network Security & Cryptography" at the Department of Computer Engineering/Information Technology, Dalia Institute of Diploma Studies, Kanera, Kheda, Gujarat on September 19, 2018.</p> <p>2. Delivered an Expert Lecture on ".Net Programming" at the Department of Computer Engineering, Neotech Faculty of Diploma Engineering, NTC-Virod, Vadodara on March 23, 2018.</p> <p>3. Delivered an Expert Lecture on "Importance of higher education and Open Source Technology in the field of Computer Engineering" at the Department of Computer Engineering, Vadodara Institute of Engineering, Kotambi, Vadodara on March 10, 2018. organized by Computer Engineering department at Indian Institute of</p> <p>4. Attended ISEA sponsored one week FDP on "Cyber Security and Cryptography" during 27th September,2021 to 01st October, 2021 Technology Roorkee (IITR), ROORKEE, Uttarakhand.</p>

5. Attended QIP & AICTE sponsored one week STC on "Deep Learning and Its Application" during 08th March-12th March, 2021 organized by Computer Engineering department at Indian Institute of Technology Roorkee (IITR), ROORKEE, Uttarakhand.
6. Attended Online Faculty "Online Orientation Program on Android Development with Kotlin - Train The Trainer" organized by GTU in association with Google India on 21st December, 2020.
7. Attended TEQIP sponsored one week STTP on "Data Security and Privacy (DSP-2020)" from October 26 to October 30, 2020 organized by Computer Engineering department at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.
8. Attended online webinar on "How to publish paper in SCI/Reputed Journals" organized by Department of Electronics and Telecom. Engg. of GHRIET, NAGPUR on 24-08-2020.
9. Attended Online Faculty Development Program on "Artificial Intelligence" on 22nd- 26th May, 2020 by PVKK Institute of Technology, Anantapuramu.
10. Attended National Webinar on "INTELLECTUAL PROPERTY FOR NEW INDIA" on 16th May, 2020 by Gujarat Technological University, Ahmedabad.
11. Attended Webinar on "Research & Development" on May 11-16, 2020 at Uka Tarsadia University, Bardoli.
12. Attended Webinar on "Fighting Corona - Leveraging Scientific Research & Innovation" on 3rd May, 2020 by Elets.
13. Attended ISTE sponsored 24th ISTE State Annual Faculty Convention and National Conference on "Current Engineering Education: Threats, Challenges & Opportunities" on 27th December, 2019 at SAL EDUCATION CAMPUS, Ahmedabad, Gujarat, India.
14. Attended AICTE sponsored one week STTP on "Deep learning, Machine learning and Pattern recognition" during 24-29 November, 2019 organized by Electronics and Communication Department, Sarvajanik College of Engineering and Technology, Surat, Gujarat.
15. Attended SPRINGER sponsored 2nd International Conference on "International Conference on Wireless, Intelligent and Distributed Environment for Communication (WIDECOM 2019)" during 11-13 February, 2019 organized by University of Milan, Milano, Italy.
16. Attended EICT sponsored one week FDP on "IoT, What and How?" during 24th- 28th Dec, 2018 organized by Computer Engineering department at Indian Institute of Technology Roorkee (IITR), Roorkee, Uttarakhand.
17. Attended ISTE sponsored 23rd ISTE State Annual Faculty Convention and National Conference on "Role of Innovation & Human Values in Engineering & Technology" on 15th December, 2018 at Swami Atamanand Institute of Technology, Surat, Gujarat, India.
18. Attended GUJCOST & ISTE sponsored one week STTP on "Recent

	<p>Trends in IT: Machine Learning, Big Data Analytics & IoT" during 26th November to 1st December 2018 organized by Information Technology department at BVM Engineering College, Vallabh Vidyanagar, Gujarat.</p> <ol style="list-style-type: none"> 19. Attended GUJCOST Sponsored One Day National Level Seminar on "Emerging Trends, Issues and Challenges in Machine Learning" during 4th August, 2018 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat. 20. Attended QIP & AICTE sponsored one week STC on "Developments and Challenges in Software Development Practices and Technologies needed for Digital India Programme" during 28th May-1st June, 2018 organized by Computer Engineering department at Indian Institute of Technology Roorkee (IITR), ROORKEE, Uttarakhand. 21. Attended Two Days National Level Conference on "Computer & Communication Reserch - NC3R" during 26th -27th April, 2018 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat. 22. Attended ISTE sponsored 2nd International Conference on "Current Research in Engineering (SIEICON-2018)" during 09 April, 2018 organized by Sigma Institute of Engineering, Bakrol, Vadodara, Gujarat 23. Attended One Day National Super Computing Mission (NSM) workshop on "High Performance Computing" on February 26, 2018 organized by Computer Engineering department at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat. 24. Attended ISTE sponsored 22nd ISTE State Annual Faculty Convention and Conference on theme "Engineering Innovations for Social and Environmental Development" on 30th December, 2017 at A D Patel Institute of Technology, Karamsad, Gujarat, India. 25. Attended GUJCOST sponsored one week STTP on "Mobile Application Development using ANDROID" during 18-23 December, 2017 organized by Computer Engineering department at organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat. 26. Attended QIP & AICTE sponsored one week STTP on "INTRODUCTION TO CRYPTOLOGY" during 04-08 December, 2017 organized by Computer Engineering department at Indian Institute of Technology Roorkee ROORKEE, Uttarakhand). 27. Attended GUJCOST Sponsored One Day National Level Seminar on "Emerging Trends, Security Issues and Challenges in IoT, Big Data and Social Networking" during 15th July, 2017 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat. 28. Attended SPRINGER sponsored 5th International Conference on "Advanced Computing, Networking and Informatics [Springer ICACNI - 2017]", during 01-03 June, 2017 organized by National Institute of Technology Goa, Goa. 29. Attended ISTE sponsored 1st International Conference on
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	<p>“Current Research in Engineering (SIEICON-2017)” during 13 April, 2017 organized by Sigma Institute of Engineering, Bakrol, Vadodara, Gujarat.</p> <p>30. Attended GUJCOST Sponsored One Day Seminar on “Game Theory & Applications” during 18th Feb, 2017 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>31. Attended QIP sponsored one week STTP on “Advances in Big Data Analytics” during 12-16 December, 2016 organized by Computer Engineering department at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.</p> <p>32. Attended TEQIP -II sponsored one week STTP on “Big Data & Hadoop (BDH. 2016)” 24-28 October, 2016 organized by Computer Engineering department at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.</p> <p>33. Attended TEQIP -II & ISTE sponsored Two days National workshop on “Research Trends in Engineering & Technology” during 22-23 August,, 2016 organized by Computer Engineering department at BVM Engineering College, Vallabh Vidyanagar, Gujarat.</p> <p>34. Attended GUJCOST & ISTE sponsored One Day Seminar on “LATEX for Presentation of Mathematical Document and Beamer Presentation” during 2nd July, 2016 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>35. Attended GUJCOST & ISTE sponsored Two Days National Level Conference on “NC3R” during 26-27 Feb, 2016 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>36. Attended Three Day workshop on “Advance Network Simulation using NS-3” during 21-23 Dec, 2015 organized by Chhotubhai Gopalbhai Patel Institute of Technology, Uka Tarsadia University, Bardoli, Gujarat.</p> <p>37. Attended GUJCOST & ISTE sponsored One Day Seminar on “Sustainable Devlopment in Renewable Power Generation” during 10th Dec, 2015 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>38. Attended One Day Seminar on “Eco System around Semantic Web” during 7th Dec, 2015 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>39. Attended TEQIP -II sponsored one week STTP on “Privacy Preserving Data Mining” during 25-29 May, 2015 organized by Computer Engineering department at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.</p> <p>40. Attended Two Days workshop on “Rejuvenating GTU Innovation Club activities and thorough implementation of IDP” during 15-16 May, 2015 organized by GTU Innovation Council (S4-CiC3), L.D. Engineering College, Ahmadabad, Gujarat.</p> <p>41. Attended One Day workshop on “How to Write Thesis Using LATEX” during 10 Jan, 2015 organized by Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli, Gujarat.</p> <p>42. Attended One Day Seminar on “Advance Computer Network” during 19 Dec, 2014 organized by Vadodara Institute of</p>
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	<p>Engineering, Kotambi, Vadodara, Gujarat.</p> <p>43. Attended ISTE sponsored One Day Seminar on “Current Trends in BIG DATA” during 17 Dec, 2014 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>44. Attended Two Days workshop on “Emerging Trend in Engineering” (IEEE) during 19-20 July, 2015 organized by IET, Ahmadabad University, Ahmadabad, Gujarat.</p> <p>45. Attended TEQIP -II sponsored one week STTP on “Data Mining: Privacy Preserving & Security Issues” during 20-24 June, 2014 organized by Computer Engineering department at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.</p> <p>46. Attended Two Days National Level Conference on “NC3R” during 24-25 Jan, 2014 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>47. Attended ISTE sponsored One Day Seminar on “Cloud Computing with Security” during 16 Dec, 2013 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>48. Attended Microsoft Research sponsored one day Workshop On “Massive Empowered Classrooms” during 29 June, 2013 organized by Sanjaybhai Rajguru College Of Engineering, Rajkot, Gujarat.</p> <p>49. Attended TEQIP -II sponsored one week STTP on “Wireless Sensor Networks: Applications & Security Issues” during 20-24 May, 2013 organized by Computer Engineering department at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.</p> <p>50. Attended GUJCOST sponsored one week STTP on “Linux Internals & Essentials” during 1-4 April, 2013 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p> <p>51. Attended One day Workshop On “Patent Search Methodology” during 20 OCT, 2012 organized by Babaria Institute of Engineering, Varnama, Vadodara, Gujarat.</p> <p>52. Attended GUJCOST sponsored One Day Seminar on “Emerging Trends in Mathematical Modeling for Engineering Research” during 07 Jan, 2012 organized by Vadodara Institute of Engineering, Kotambi, Vadodara, Gujarat.</p>
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