Name	:	Dr. Praveenkumar S. Challagidad	
Designation	:	Associate Professor	
Department	:	CSE (Data Science)	
Email ID	:	dr_praveenchallagidad@ncetmail.com	
		praveenchallagidad@gmail.com	
Contact Detail	:	8867609641, 8618237855	
Qualification	:	Ph.D, M.Tech, B.E.	

Link to the PhD Thesis: https://drive.google.com/drive/u/1/folders/1AdW555KKFFWk95fulSD-vtrIVSfpWmi1

Link to Supporting documents of CV:
https://drive.google.com/drive/folders/1fjtJuzOYUFwlZ_CZmQyfojs_nngMBRkc?usp=drive_link

Total Experience : 16 Years (Teaching : 15.5 Years, Industry: 01 Year)

S.No.	Name of the Institution/Company	Duration of Service
1.	Rural Engineering College, Hulakoti	12-03-2008 to 15-07-2008
2.	Wipro Technologies, Bengaluru	07-08-2008 to 21-08-2009
3.	Basaveshwar Engineering College(Autonomous), Bagalkote	18-09-2009 to 02-04-2024
4.	Nagarjun College of Engineering and Technology, Bengaluru	03-04-2024 to till date

Number of Ph.D scholars under my supervision: 02

Research Interest Area: *Cloud Computing, Information Security, Cyber Security, Internet of Things and Computer Networks.*

Total Publications : 30

Website Links:

1. Linked in: https://www.linkedin.com/in/dr-praveenkumar-challagidad-42a63223b/

2. Google Scholar: https://scholar.google.co.in/citations?user=OY2bWX4AAAAJ&hl=en

3. Scopus ID: https://www.scopus.com/authid/detail.uri?authorId=55558076600

4. Web of Science ID: https://www.webofscience.com/wos/author/record/AAS-3448-2021

5. Orcid ID: https://orcid.org/my-orcid?orcid=0000-0003-4165-1822

6. Academia.edu: https://bec.academia.edu/PraveenChallagidad

7. ResearchGate: https://www.researchgate.net/profile/Praveenkumar-Challagidad

Education Details:

Qualification	Name of the Institution	Year of Passing	Thesis/Project Title	GPA/%percentage of marks
Ph.D	Basaveshwar Engineering College (Autonomous), Bagalkot.	July2020	Design and Analysis of Some Security Schemes for Private Cloud under the guidance of Dr. Mahantesh N.Birje	--
M.Tech	Boomaraddi Engineering College (A) /KLE Tech University, Hubballi	2009	3-LayerSecurityforATMSystems, under the guidance of Dr. Channappa B.Akki and Dr. Karibasppa K. G.	8.75CGPA First Class with Distinction
B.E.	Basaveshwar Engineering College, Bagalkot	2007	Cross-platform for Information Exchange	58.3%
PUC	Basaveshwar Science College, Bagalkot.	2007	PCMB Combination	56%
SSLC	Jawahar Navodaya Vidyalay (JNV), Almatti Dam Site, Bijapur.	2005	--	69%

Patent Filed and Published:

1. A Hybrid Ensemble Learning Approach to Star Galaxy Classification" is filed and published on 05/03/2022 and the same is **published on 11/03/2022**. Application number: 202241011956.

2. A patent titled "Underwater Drone" is **filled on 15/07/2022**, Application number: 367706-001.

3. A patent titled "A Smart and Secured Approach for Children's Health Monitoring Using Machine Learning Techniques Enhancing Data Privacy" is **published on 20/01/2023**, Application number: 202341002966A.

4. A patent titled "SYSTEM FOR CYBER ATTACK DETECTION IN IOT DEVICES AND METHOD THEREOF" is published in 02/02/2024. Application number: 202441000349.

Proposal Selected:

1. A proposal entitled **"Anomaly Based Intrusion Detection in Smart Agriculture using Machine Learning Approaches"** is selected in Cyber Security Karnataka **(CySek Research Development Programme (RDP)**. I am the Co-Principal Coordinator of the proposal, total cost is Rs.14,53,000/-

Proposals Submitted:

1. Submitted a proposal entitled "**Flood Forecasting of Ghataprabha River Basin using Artificial Neural Networks**", submitted to SERB_SURE on 7/10/2022, myself and Dr. Veena S. Sooraganvi (CivilEngg. Dept.) are the PI and Co-PI respectively. The Proposal was of Rs. 30 Lakhs. **(Passed First Stage).**

2. One of the members amongst five, for preparing the proposal for Information Technology Business Incubator (ITBI) under India Science, Technology & Innovation. The Proposal was of Rs. 500 Lakhs.

3. One of the member amongst five, for preparing the proposal for Atal Incubation Center (AtalIC) under Atal Innovation Mission, NITI Aayog. The Proposal was of Rs.100Lakhs.

Other Administrative and Academic Activities:

1. One of the college level NAAC Coordinator amongst four, from14thAugust2021 to till date. The peer review committee was visited to the college on26-26 May2023.

2. College level member for preparing NBA documents

3. Technical coordinator of Academic Council Meeting (ACM) of Basaveshwar Engineering College (A), Bagalkot from2020 to till date.

4. NBA Internal review committee member in the department and the department got accreditation from2022-2025 with a scoreof673/1000.

5. CollegelevelMicrosoftVolumeLicenseCoordinatorfrom23rdDecember2020totill date.

6. MemberERP-Samarthfrom3rdJanuary2021totilldate.

7. MemberSoftwareDevelopmentCellfrom17thFebruary2021totilldate.

8. MemberofBoardofStudiesfrom16thAugust2019totilldate.

9. Designed new syllabus of the subjects Cloud Computing, Cyber Security, Cloud Computing and Applications. Advanced Computer networks and Information and Network Security.

10. Reframed the syllabus of Data Communications, Computer Networks, Computer Concepts and C Programming, Wireless and Mobile Computing Systems etc..

Professional Body Memberships:

1. ISTE Life Member(LM-136214)

2. IEEE Member(9537639)

Technical Talk Delivered

1. Resource person for the Two Days Workshop on Computer Skills and E-Management conducted on 10th and 11th January 2024. Delivered talk on "Cyber Security, Cyber Safety, WiFi, Internet and its Policies".

Reviewer:

1. Reviewer for the International Journal of Human-Computer Interaction, Taylor and Francis Publisher during September 2021.
2. Reviewer of Second IEEE International Conference on Disruptive Technologies For Inter-Disciplinary Research And Applications-2022 scheduled from 22 - 24 December, 2022 in Dayananda Sagar University, Bengaluru.
3. Reviewer of Second IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS-2023) organized by Sharnbasva University, Kalaburgi, 24-25 November,2023.
4. Reviewer of IEEE INDISCON-2023 organized by Mysore Subsection at GSSS Institution of Engineering and Technology for Women, during 5th August to 7th August 2023.
5. Reviewer of AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) organized by Nitte Meenakshi Institute of Technologies, Bengaluru during 1sr and 2nd September 2023.
6. Reviewer of IEEE international Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT-2023) organized by RV Institute of Technology and Management, Bengaluru, 20th and 21sr October 2023.

Awards Received:

1. Awarded an Award of Excellence in Research from Novel Research Academy, Puducherry, India, a registered enterprise under the Government of India.
2. Awarded as Best Paper and Presenter for the paper "Anonymization Technique or Privacy Preservation in Social Networks", International Conference on Electrical, Electronics, Communication, Computer Technologies, and Optimization Techniques (ICEECCOT-2021), IEEE, pp.7-12, Mysuru.2021.

Events Organized:

1. Two-day national symposium on Emerging Trends in Smart Systems , organized by Basaveshwar Engineering College Bagalkote, 08th and 09th September 2023.
2. A resource person for UHV-Attitude, Respect and Trust for B.E. student's from03-02- 2022 to04-02-2022.
3. Organized a Universal Human Values (UHV) program fort he1st year B.E. students from 28- 02-2022 to 05-03-2022.
4. CoordinatedastudentdevelopmentworkshoponScientificFoundationofHealthand Wellness was conductedfrom10-1-2022 to28-1-2022.
5. Organized one day workshop on Radar System Development with Industry Partner on 25/09/2021, resource person was Mr. Mahesh Kopp, DRDO Bengaluru.
6. Organized one day workshop on Introduction and OpportunitiesinISROon04-09-2021, resource person was Shri Sanjeev C.Gour, ISRO Hassan.
7. OrganizedanInductionProgramfrom10-08-2018to18-08-2018forthe1styearB.E. students.
8. Organized one day workshop on Cloud Computing (19th March 2018) for UG and PG students.

Journal Publications:

1. Praveen S. Challagidad, M. N. Birje, "Multi-Dimensional Dynamic Trust Evaluation Scheme for Cloud Environment", *Elsevier- Computers& Security*, Vol. 91, 101722, pp. 1- 19, 2020, ISSN: 0167-4048 SC Imago Journal rating rank Q1 (H-INDEX 86).
2. Praveen S. Challagidad, M. N. Birje, R.H. Goudar, Monisha Tapale "Cloud Computing Review: Concepts, Technology, Challenges and Security", *International Journal of Cloud Computing, Inderscience Publishers,* Volume 6, No. 1, pp. 32-56, 2017. ISSN: 2043-9997 Journal Publication is listed in SCImago Journal. Rank Q4. (H-INDEX 4)
3. Praveen S. Challagidad, M. N. Birje, Efficient Multi-authority Access Control and Delegation using Attribute-based Encryption in Cloud Storage", *MECS International Journal of Information Technology and Computer Science(IJITCS)*

4. Praveen S. Challagidad, M. N. Birje, "Local and Remote Recovery of Cloud Services Using Backward Atomic Backup Recovery Technique for High Availability in Strongly Consistent Cloud Service", *IGI Global- International Journal of Advanced Pervasive and Ubiquitous Computing,* Volume 11, Issue 4,pp.16-33,2019.

5. Praveen S. Challagidad, Vani Reshmi and M. N. Birje, "Reputation Based Trust Model in Cloud Computing", *International Journal of Advances in Cloud and Internet of Things,* Special Issue: Advances in Cloud and Internet ofThings. Vol. 5, No. 5-1, pp. 13- 18, 2017.

6. Praveen S. Challagidad, Ambika Dalawai and M. N. Birje, "Data Recovery Technique in Cloud Computing" *International Journal of Advances in Cloud and IoT*Special Issue: Advances in Cloud and Internet of Things. Vol. 5, No. 5-1, pp.13-18, 2017.

7. Praveen S. Challagidad, Vani Reshmi, "Secured Trust Model in Cloud Computing- A Review", International Journal of Engineering Research and Technology, vol. 5, issue 6. 2017. ISSN: 2278-0181.

8. Praveen S Challagidad, V Veena, "E-mail Spam Detection and Prevention Using NAIVE BAYES Classifier", International Journal of Computer Engineering andApplications, Vol.12, No.1, pp., 7-14,2018.

9. Praveen. S. Challagidad, Priyanka S. Tuppad, "Data Security in Cloud using Hybrid algorithm with Quantum Key Distribution", International Journal of Advance Research in Engineering, Science & Technology, vol. 3, No. 5, pp.7-15,2016.

10. Praveen S. Challagidad, Laxmi Muttappanavar, "Intrusion Detection on Cloud Using Hybrid Machine Learning Techniques", International Journal of Computer Engineering and Applications, vol. 12, special issue, pp. 1-7,2016.

11. Praveen S Challagidad, MN Birje, MT Tapale, RH Goudar, "Security Issues and Countermeasures in Cloud Computing", International Journal of Applied Engineering Research", Vol. 10, Issue 86, pp. 6-14, 2015.

12. Praveen S. Challagidad, Shaila Hireningappanavar, "Disaster Recovery in Cloud Computing", National Conference on Emerging Trends and Advances in Information Technology, vol. 1, Issue 1,pp.1-6,2016.

13. PraveenS. Challagidad, Santosh Dodamani, "Efficient Utilization of Cloud Resources in Cloud Environment using Switching Technique", International Journal of Advances Research in Engineering Science and Technology (IJAREST), Volume 03, Issue 06 June 2016.

14. Praveen S. Challagidad, Shivakumar K. Honawad, "Implementation of Efficient Control Access And Data Integritiy In Multi Cloud", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), vol3, issue 8, pp. 2628-2631, 2014.

15. Praveen S. Challagidad, Jayashree D. Mallapur, "Secured Mechanism for Dynamic Key System", Vol, 3, Issue 361, pp. 45-58,2013.

16. Praveen S. Challagidad, Dr. M. N. Birje, "Efficient Multi-authority Access Control and Delegation using Attribute-based Encryption in Cloud Storage", MECS International Journal of Information Technology and Computer Science (IJITCS), ACCEPTED, in Publication.

17. Praveen S. Challagidad, Lamxi Despande, "Automatic Drug Identification using Image Processing", International Journal of Engineering Research & Technology, Volume 8, issue 15, pp. 85-87, 2021.

18. PraveenS. Challagidad, Deepa Kolar,"A Review on Identification and Classification of Malware Attacks", Journal of Emerging Technologies and Innovative Research(JETIR), Vol. 8, Issue 7, 714-721, 2349-5162, July 2021.

19. Praveen S. Challagidad, Kalpana Chavhan, "Anonymization Techniques for Privacy Preservation in Social Networks: A Review", International Journal of Scientific Research in Science and Technology, Vol. 8, Issue 4, pp.14-21, 2395-6011, August2021.

Conference Publications:

1. Praveen S Challagidad and Ms. Kalpana Chavhan, "Anonymization Technique or Privacy Preservation in Social Networks", International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2021), IEEE, pp.7-12, Mysuru. 2021. **Awarded as Best Paper and Presenter.**

2. Praveen S. Challagidad, Mahantesh N. Birje, "Efficient Multi-authority Access Control using Attribute-based Encryption in Cloud Storage", International Conference on Computational Intelligence and Data Science (ICCIDS 2019),on 6th to 7th September 2019 at Northcap University, Gurugram, New Delhi, India, Procedia Computer Science, Vol. 167, pp. 840–849, 2020.

3. Praveen S. Challagidad, M. N. Birje, "Determination of Trustworthiness of Cloud Service Provider and Cloud User", International conference on Advanced Computing and Communication Systems, 15th and 1th March 2019 at Coimbatore, India DOI:10.1109/ICACCS.2019.8728408, pp. 839-843, 2019.

4. Praveen S. Challagidad, Raju Nadaf, S. M. Hatture, "Smart Mirrorusing Raspery Pi for Human Monitoring and Home Security", International Conference on Advances Informatics for Computing Research (ICAICR-2019), 15-16 June 2019 at Shimla, India.

5. Praveen S. Challagidad, M. N. Birje, "Trust Management in Cloud Computing", IEEE-International Conference on Smart Technologies for Smart Nation, REVA College, Bengaluru,17^{th}to19^{th}Augustpp.295-298,2017.

6. Praveen S Challagidad and Santosh Dodamani, "Efficient Energy Utilization in Cloud", International Conference on Chip, Current, Coding, Combustion and Composites (i7C- 2018), held in Sri Sairam College of Engineering at Bangaluru, Karnataka on28thand29thNovember 2018.

7. Praveen S. Challagidad, Mahantesh N. Birje, "Hierarchical Attribute-based Access Control with Delegation Approach in Cloud", IEEE- 2017 4th International Conference on Computing for Sustainable Global Development, Proceedings of the 11th INDIACom; INDIACom-2017; IEEE Conference ID: 40353, (BVICAM), New Delhi (INDIA).

8. Praveen S. Challagidad and VaniReshmi, "A Review of Trust Model in Cloud Computing", National Conference on Emerging Trends and Advances in Information Technology" , $7^{th}$to 8th 2017, AIT Chikkamagaluru, Karnataka,India.

9. Praveen S. Challagidad, Santosh Dodamani, "Secured and Efficient Utilization of Cloud Resources in Cloud Computing", National Conference on Emerging Trends and Advances in Information Technology, 29th and 30th January, Adichunchanagiri Institute of Technology, Chikkamagaluru, Karnataka.

10. Praveen S. Challagidad, Veena V., "Email Spam Detection and Preservation usingNaïve Bayes Classifier", 7th National Conference on Recent Advances in Technology and Engineering (RATE-2018) at T. John Institute of Technology, Bengaluru.

11. Praveen S. Challagidad Priyanka Tuppad, "Intrusion Detection in Cloud using Hybrid Machine Learning Techniques", 7th National Conference on Recent Advances in Technology and Engineering (RATE-2018) at T. John Institute of Technology, Bengaluru.

List of Publications

SCI/SCIE/ESCI Journals (Web of Science)	Scopus Journals	Scopus Books/Book chapter Chapters	Conference Papers
8	9	-	6

Conferences/Symposiums/Workshops/TrainingProgramsAttended: 34

1. Strategic Planning for Basaveshwar Engineering College Bagalkote,organized by Basaveshw ar Engineering College Bagalkote from 23rd to 25th January 2024.
2. Outcome Based Education (OBE),organized by Basaveshwar Engineering College Bagalkote from 30th September to 1st October 2023.
3. Two-day national symposium on Emerging Trends in Smart Systems, organized by Basaveshwar Engineering College Bagalkote, 08th and 09th September 2023.
4. Training of Future Skills Technologies: Cyber Security, MHRD sponsored TEQIP, 24th Feb to 6th March 2020.
5. AICTE-ExaminationReformPolicy,NPIU-TEQIP-3,14thto15thFeb2020
6. ComputationalMethodsforBigDataAnalytics,VTU-TEQIP-1.3,6thto10thJan2020
7. ParadigmsinIntelligentComputing,VTU-TEQIP-1.3,29thJulyto2ndAugust2019
8. StudentInductionProgrammeorganizedbyVisvesvarayaTechnologicalUniversity, Belagavi on 24-26 June 2019.
9. Paradigms of Intelligent Computing, TEQIP1.3Sponsored FDP organized by Visvesvaraya Technological University, Belagavion 29th Julyto2nd August 2019.
10. Sensor Networks, organized by Basaveshwar Engineering College (A), Bagalkot, from 08thto 09th January,2018.
11. EndtoEndInnovation,19thto23rdFeb2018, IITBombay.
12. Student Induction Programmefrom7th to 9th June 2018, Karnataka Law Society's Gogte Institute of Technology, Belagavi.
13. Vasahatu Pradnyeyinda Bharateeya Shikshanada Mukti, Punaruttnaidya peethahaagu Mantan,Vijaypur on 28th January 2018.
14. Prabhudda Bharat, An Intellectual Social Responsibility organized by STEP 2018, a National Conclave held at VTU, Belagavi, on December 1 and 22018.
15. Data Analytics with R, Electronics and ICT Academy, National Institute of Technology Warangal and SPFU, Directorate of Technical Education, Bangalore (Sponsored by Ministry ofElectronics and Information Technology(MeitY), GOI), from3rd to 8th February2017.
16. Open Society Problems Computing Solutions in Python organized by Basaveshwar Engineering College (A), Bagalkot, March 29-31, 2017.
17. Green technologies for Sustainable Development organized Basaveshwar Engineering College (A), Bagalkot, 24-25 February2017.
18. One Week Faculty Induction Program organized by National Project Implementation Unit (NPIU) in collaboration with College of Engineering, Pune (COEP) under TEQIP-III during 27th November 2017 to 2nt December2017.
19. Smart Grid and Cyber Security, Organized by Central Power Research Institute (Govt. of India Society, Ministry of Power) during January 5th to 6th 2017.
20. ISRO Satellite Remote Sensing Based Societal Applications on the Web, organized Basaveshwar Engineering College (A) in association with Indian Space Research Organization (ISRO), on 9th September 2016.
21. Electronic System Design and Manufacturing (ESDM), jointly organized by CSI-BAgalore Chapter, CLIK, GOK-Dept. of IT& BT and Basaveshwar Engineering College (A), Bagalkot, on 29th and 30th March 2016. Research Methodologies and Latex organized by VTU e-Learning Centre, Mysuru from 18th to 29th February 2016 at B.L.D.E.A's Dr. P.G. Halakatti Engineering College, Vijjayapura.
22. Faculty Development Programme organized and Conducted by Teaching Learning Centre, IIT Madras from 16th to 18th July2015.
23. Cloud Computing Workshop organized by Visvesvaraya Technological University, Belagavi on 12 December 2015.
24. ResearchMethodologyorganizedunderTEQIP-IIatBasaveshwarEngineering College (A), Bagalkot on 19 December2015.

25. Trends in Computing Research organized by Department of Computer Science and Engineering, Centre for Post-Graduate Studies, Visvesvaraya Technological University, Belagavi from 15th to18th June 2015.

26. Five-day Workshop on Enhancement of Research Competence in Network Simulation organized by the Department of Computer Science and Engineering, R. V. College of Engineering, Bangalore during 27th -31st January2014.

27. Three days workshop on Network Simulations and Cloud Computing, organized by Channabasaveshwara Institute of Technology, Gubbiduring 15th to 17th March2013.

28. Three days FDP on Recent Advances inWireless Networks organized under TEQIP-II at Basaveshwar Engineering College (A), Bagalkot during 16th to 18th May2013.

29. Distributed and Cloud Computing organized under TEQIP-II at Basaveshwar Engineering College (A), Bagalkot during 15thto 17th April 2013.

30. Advanced Network Computing and Simulation organized under TEQIP-II at Basaveshwar Engineering College (A), Bagalkot during 22nd to 24th November 2013.

31. Research Issues in Distributed Sensor Networks, organized under TEQIP-II at Basaveshwar Engineering College (A), Bagalkot during 22nd to 24th August2013.

32. High Impact Teaching Skills, organized by Mission 10X Wipro, Banagalore at Visvesvaraya Technological University, Belagavi from26th to27th March2012.

33. Computing Approaches to Image Processing and Pattern Recognition organized by Basaveshwar Engineering College (A), Bagalkot during 20th to 24th March 2010.

34. Effective Teaching Practices organized by Basaveshwar Engineering College (A), Bagalkot during 29th to 31st January 2010.

Research Action Plans:

1. Establishing research activities and MoUs with Universities Abroad.
2. Writing research proposals and targeting on receiving funds from various funding agencies.
3. Organizing International Conferences on trending technologies.
4. Publish research papers to referred journals having impact factor.
5. Planningtowriteresearchproposalonestablishingcenterofexcellenceoncyber security/cloud computing.

Academic Action Plans:

1. Encouraging the students to work and carry-out the projects in emerging technologies by establishing various technical students clubs, organizing student development programs (SDPs), technical talks (seminars/webinars)etc..
2. Encouraging the students to publish research articles in conferences and journals by organizing SDPs on technical writing and presentation skills.
3. Encouraging the students and providing the good platform for design and development of prototype of creative models/methods.
4. Encouraging the students to develop mathematical models (if applicable) of above-mentioned point.
5. Proving the case-study and real-time examples on the topics and encouraging the students to think & analyze on it.

(Dr.PraveenkumarS.Challagidad)