Faculty Name	Dr. CHHAYA SURYABHAN DULE
Designation	ASSOCIATE PROFESSOR
Educational Qualification	BE,M.TECH,(PhD)
Experience in Years	Teaching: 23 yrs Industry : 1 yrs
Areas of Interest	Cyber Security, Block chain Technology , Privacy Preservation,
E-mail	chhayasd@kssem.edu.in

EDUCATIONAL DETAILS:-

Examination / Degree	College/University	Year of Passing
Bachelor of Engineering (Computer Science & Engineering	Dr Babasaheb Ambedkar Marathwada University , Aurangabad , (M.S)	1997
Master of Technology (Computer Science & Engineering)	Rajiv Gandhi Proudyogiki Vishwavidyalaya	2008

PUBLICATIONS:-

Journal Publications:

1. Chhaya S Dule , Roopashree H R,(2023) *Analytical and Integrated framework for privacy preservation of images in cloud ecosystem,* in **Indian Journal of Computer Science and Engineering (IJCSE) DOI : 10.21817/indjcse/2023/v14i1/231401112 Vol. 13 No. 1** https://www.ijcse.com/docs/INDJCSE23-14-01-112.pdf

2. Chhaya S Dule , Roopashree H R,*privacy Preservation modeling for securing image data using Novel Ethereum-Based Model,* **International Journal of Advanced Computer Science and Applications(IJACSA) ISSN : 2156-5570 (Online), DOI :** 10.14569/issn.2156-5570 **Vol. 14, No. 2, 2023.** https://thesai.org/Downloads/Volume14No2/Paper_16Privacy_Preservation_Modelling_for_Securing_Image_Data.pdf https://www.scopus.com/authid/detail.uri?authorId=57192541109

3. Chhaya S Dule., Dr.Nandini N ,Dr.Rajasekharaiah K M (2020) , *Architectural Framework for Intelligent and secure Aadhar Data Management Synchronised with both offline and online transaction systems* **International Journal of Innovative Technology and Exploring Engineering (IJITEE)** https://www.ijitee.org/wp-content/uploads/papers/v9i3/B6421129219.pdf

4. Chhaya S Dule., Dr.Girijamma H A ,Dr.Rajasekharaiah K M (2020) , *A Crypto-blocking approach for the security paradigms for Aadhar towards privacy preservation on cloud infrastructure* **In Springer Lecture Notes on Data Engineering and Communications Technologies Series Editor : S Smys ,TomonobuSenjyu ,PavelLafatal**https://link.springer.com/chapter/10.1007/978-3-030-37051-0_22 https://doi.org/10.1007/978-3-030-37051-0_22 https://www.scopus.com/authid/detail.uri?authorId=57192541109

5. Chhaya S Dule., Dr.Girijamma H A ,Dr.Rajasekharaiah K M (2017) , *An Insight to Security paradigms for Big data on cloud : Current Trends and Research* **International Journal of Electrical and Computer Engineering (IJECE)** http://ijece.iaescore.com/index.php/IJECE/article/view/8244/6968 https://www.scopus.com/authid/detail.uri?authorId=57192541109 DOI:10.11591/ijece.v7i5.pp2813-2882

6. Dule C.S., Girijamma H.A (2017) , *Gauging the effectivity of Existing Security Measures for Big Data in cloud Environment* **Software Engineering Trends and Techniques in Intelligent Systems CSOC -2017.Advances in Intelligent Systems and**

Computing https://link.springer.com/chapter/10.1007/978-3-319-57141-6_22 https://www.scopus.com/authid/detail.uri?authorId=5719254110

7. Chhaya S Dule,.Dr Girijamma H A ,Prof Rajasekharaiah KM *Privacy Preservation Enriched Map Reduce for Hadoop Based Bigdata Applications* American International Journal of Research in Science ,Technology ,Engineering and Mathematics (AIJRSTEM) Vol 3 .Issue 6 ISSN 2328-3580 .2014.

8. Chhaya S Dule ,Rajasekharaiah K M,. *Sensor Data Mining Model and System Design : A Review* International Referred Journal of Engineering and Science (IRJES) Vol.III Issue 6 ISSN 2319-1821 , 2013

9. Chhaya S Dule ,MinalKamble,.*Image Spam Detection: A Review* International journal of Computer Science and Its Applications Vol II Issue 1 ISSN 2250-3765 2012

10. Chhaya S Dule ,MinalKamble *., Detecting Image Spam Based on Image Features using Maximum Likelihood Technique*. International Journal IJCST VOl.3 Issue 1 ISSN-0976-8491(online) ISSN-2220-4333 (print) , 2012.

11. Chhaya S Dule, SuvarnaHajare*,.Analyzing the Bio Signal to Make Fatigue Measurement as a parameter for mood detection* International journal of Computer Science and Information Technologies ISSN: 0975-9646 (IJCSIT) Vol.3 2012

12. Chhaya S Dule, Suvarna Hajare, *A Survey on Mood Condition Detection and Fatique Measurement Methodology* in International Journal of Computer Applications (IJCA) 2011.

13. Chhaya S Dule, ManojBahel *Analysis of frequent item set Generation process in Apriori and RCS (Reduced Candidate Set ,* International Journal of Advanced Networking and Algorithm Vol-02, Issue02, April 2010.

Conference Papers :

1. Chhaya S Dule.,Dr. Prof RajasekharaiahKM,Dr Manjaiah D.H .,*Challenges of Artificial Intelligence to combat COVID-19"* published in proceedings of International conference on Innovative Computing and Communication (ICICC) - 2020

2. Chhaya S Dule., Dr Girijamma H A ,Dr. Prof Rajasekharaiah KM *., A cryptoblocking approach for security paradigms for Aadhaar towards privacy preservation on cloud Infrastructure* second International conference on computer networks and communication technologies ICCNCT-2019.published in Springer lecture notes on Data engineering and communication technologies ,series editor-S.Smys ,TomonobuSenjya,PavelLAfata ISSN-2367-4512.

3. Chhaya S Dule ., Dr Girijamma H A., *Gauging The Effectivity of Existing Measures for Big Data In Cloud Environment* International conference CSOC 2017,vol 3,published in Springer proceedings of Software engineering Trends and Techniques in intelligent Systems ISBN 978-3-57141-6 eBook ISBN 978-3-319-57141-6

4. Chhaya S Dule,. Prof Rajasekharaiah K M *CRSA Cryptosystem Based Secure Data Mining Model for Business Intelligence Applications* International Conference on Electrical ,Electronics and Optimization Techniques (ICEEOT)-2016 with IEEE catalog "978-1-4673-9939" ,DMI College of Engineering ,Chennai ,Tamil Nadu ,India .

5. Chhaya S Dule , Dr.Prof Rajasekharaiah KM *CRSA Enriched Mining Model for Efficient Service Innovation Discovery and Redesign in BI Applications* International Conference on Soft Computing, Intelligent Systems And Applications (ASISA-2016) , Organized by R.L Jalappa Institute of Technology ,Bangalore In association with Springer and ARPVGSI during 8-9,April 2016.

6. Chhaya S Dule ,Dr Girijamma H A., *Data Anonymization Technique for Privacy Preservation on Mapreduce Framework* I7th International Conference on Electrical ,Electronics ,Computing and Communication Systems (EECCS'15) Jan Organised by IRD India .ISBN :978-2-24819-1.2015

7. Chhaya S Dule ,. Dr Girijamma H A *Comparative Study of Anonymization Approaches for Big Data Privacy Preservation on Cloud* Organised by RNS Institute of Technology. BANGALORE.2015

8. Chhaya S Dule ,Manoj Bahel *One time mining (OTM) using Reduced Candidate Set Algorithm* International Conference on Computer Applications 24-27 Dec 2010 ,Pondicherry,India

9. Chhaya S Dule ,Vaibhav Kant Singh., *Proposing An Efficient Method For Frequent Pattern Mining* International conference organized by Word Congress on Science ,Engineering and Technology Bangkok 2008

Book Authored :

"Embedded And Real Time Systems" published by Scientific International Publishing House in February-2022, ISBN:978-93-94002-33-3.

Book Chapters :

1. *Book Chapter title:* A Novel authentication technique for Cloud Data Storage Security

   Book Title – Cloud Computing Infrastructure for Enabling Future Technology Advancement

   Published by – NOVA Science Publishers, New York ISBN: 978-1-68507-615-3 (2022)

2. *Book Chapter title:* Privacy Preservation of Image Data with Machine Learning

   Book Title – Applications of Machine Learning and Deep Learning for privacy and cyber security

   Published by – IGI Global ISBN: 978-1-7998-9430-8 (2022)
   DOI:10.4018/978-1-7998-9430-8
   https://www.igi-global.com/book/applications-machine-learning-deep-learning/277792

Patents :

AUSTRALIAN PATENT: (Published & Grant)
1) **Corona recognition method based on visible light color using Artificial Intelligence (Grant) .**

CANADIAN COPYRIGHT : (Published)
1) **Cloud Based Electric Vehicles Temperature Monitoring System using IoT.**

INDIAN PATENT: (Published – 3 Nos.)
1) **A System For Geo-positioning using Smart Identity Card**
2) **Modelling of Quality of Service Parameters in Clouds Genetic Algorithm**
3) **Blood Banking Via Cloud Computing Using Machine Learning Tracking the Blood Donar Location**

AWARDS:-

➢ Best Student Award from SATI ,Bhopal for securing third position in M.Tech Examination conducted by Rajiv Gandhi Technical University Bhopal (University Level)

➢ Best paper award in National Level Technical paper presentation in TECHNOLOGIA - 2008 on 14-15 March organized by M.P. Christian College of Engg on Mining Patterns Of Activity From Video Data.

➢ Best paper award in National Level Technical paper presentation inTechnologia 2004 on 1728 April organized by M.P. Christian College of Engg on DNA Cryptography

➢ YITPA 2020 Young IT Professional award Regional level declared by Computer Society of India ,Bangalore chapter for the proposal with the title "Framework for privacy preservation of Aadhaar data synchronized for user transactions " (1st Runner Up)

PROFESSIONAL MEMBERSHIP

- ➢ **Life Member of Indian Society for Technical Education (ISTE)**
  Membership Id LM-101302
- ➢ **Life Member of Computer Society of India (CSI)**
  Membership Id LM-11503391
- ➢ **IEEE Research Scholar Membership (IEEE)**
  .

CONTACT DETAILS:-

Name: Mrs Chhaya Suryabhan Dule

Official address: No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109

Personal Mail id: chhaya0671@gmail.com