


BIO-DATA

1.NAME & ADDRESS: Prof (Dr.) Leena Ragha Professor Dept. of Computer Science and Engineering BLDEACET Vijayapura Karnataka (Mobile No): 9987297843	
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Institute mail id:

Personal mail id: leena.ragha@gmail.com

Academic Identity:

ORCID ID	0000-0003-3847-9427
Scopus ID	26639784000
Researcher ID	CAG-3217-2022
Google scholar ID	5hK6J08AAAAJ
Vidwan ID	299049

2. EDUCATIONAL QUALIFICATION:

<u>Sl. No.</u>	<u>Degree</u>	<u>University/Board</u>	<u>Year</u>	<u>Class</u>
1	Ph.D CST	SNDT, Mumbai	2012	-
2	M.S. CSE	BITS, Pilani	1995	First Class with Distinction
3	B.E. CSE	Karnataka University	1991	First Class

3. PROFESSIONAL EXPERIENCE

S.No	Name of the post	Name of the employer	From	To	Nature of job
1	Professor	BLDEACET, Vijayapura	29 September 2023	Till Date	Probation period
2	Professor	Ramrao Adik Institute of Technology, Navi Mumbai	July 2012	27 th September 2023	Permanent
3	Assistant Professor	Ramrao Adik Institute of Technology, Navi Mumbai	2001	June 2012	Permanent
4	Senior Lecturer	Ramrao Adik Institute of Technology, Navi Mumbai	1998	2001	Permanent
5	Lecturer	Ramrao Adik Institute of Technology, Navi Mumbai	1992	1998	Permanent
6	Lecturer	VESIT, Chembur, Mumbai	17 August 1992	6 th November 1992	Adhoc
7	Lecturer	Gomatesh Polytechnic, Belgaum, Karnataka	1 st October 1991	30 th April 1992	Temporary

Approved Assistant Professor of University of Mumbai in Information Technology

Approved Professor of University of Mumbai in Computer Engineering

Approved Post Graduate teacher of University of Mumbai in Computer Engineering

Approved Post Graduate teacher of University of Mumbai in Information Technology

Approved Ph.D Guide of University of Mumbai in Computer Engineering

Approved Ph.D Guide of University of Mumbai in Information Technology

Approved Post Graduate teacher of D Y Patil University in Computer Engineering

Approved Ph.D Guide of D Y Patil University in Computer Engineering

Approved Ph.D Guide of D Y Patil University in Information Technology

Visiting faculty

Worked as visiting faculty for Wipro Infotech Ltd. for PG programmes, during 2010-12.

Worked as visiting faculty for ITM, Mumbai for PG programs during 1996-2000

4. AREA OF INTEREST:

- Pattern Recognition,
- Data Science,
- Information Security,
- Natural Language Processing

5. Research and Development Contributions

Publications		
Patents Appendix I	0	2 under process (Examination Stage)
Copyrights (Appendix II)	12	2 - Re Scrutiny
Research Paper Publications (Appendix III)	Published	Under Publication
• <i>Scopus Indexed</i>	28	5
• <i>Web of Science Publications</i>	12	2
• <i>Book Chapters (Appendix III-a)</i>	6	-
• <i>International Journals (Appendix III-b)</i>	28	2
• <i>International Conferences (Appendix III-c)</i>	54	-
• <i>National Conferences (Appendix III-d)</i>	8	-
Research Projects:		
High Performance Computing Laboratory	Role: PRINCIPAL INVESTIGATOR Year 2018, Amount Rs. 1,28,8000/-	
Home Safety Measures using PIR and Face Recognition	Role: PRINCIPAL INVESTIGATOR Year 2017, Amount Rs. 30,000/-	
Sponsored projects:		
RAES Sponsored Projects	15	

Other projects	5
<i>Development Programs attended / delivered</i>	
Conferences Attended/presented	10+
Short term Training Programs Attended	10+
Expert sessions delivered	10+
FDP attended as BLDE employee	1

6. Appreciations

Year	Appreciation	Organization
2021	As guide for winning District level for PhD project work in Avishkar	University of Mumbai
2020	As guide for winning State level for PhD project work in Avishkar	University of Mumbai
2019	Best Social Impact Project	CSI Technext West Zone competition
2019	As guide for winning District level for PG project in Avishkar	University of Mumbai
2018	Best Student Project" award	CSI Technext West Zone competition
2013	Star award	Ramrao Adik Institute of Technology

7. Academic Synopsis

Subjects taught at UG Level	Subjects taught at PG Level
<ul style="list-style-type: none"> • Foundation of Data Science • Artificial Intelligence • Machine Learning • Soft Computing • Image Processing • Computer Vision • Digital Signal and Image Processing • Distributed Systems • Multimedia Systems 	<ul style="list-style-type: none"> • Optimization Techniques for Business Intelligence • Computational Intelligence • Advanced Soft Computing • Advanced Operating Systems • Parallel Computer Architecture • Image Processing • Pervasive Computing • High Performance Computing

<ul style="list-style-type: none"> • Systems Programming and Compiler Construction • Computer Networks Data Communication • Operating Systems • Automata Theory • C Programming • Object Oriented Programming Methodologies • Data Structure • Digital Signal Processing • Software Engineering • Computer Organization and Architecture • Advanced Computer Architecture • Microprocessor I • Business Data Processing (COBOL) • Pascal Programming • Fortran and Basic Programming 	
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8. Professional Body Membership

- Life Time Member of CSI - 00101035
- Life Time Member of ISTE – LM 106966

9. Contributions beyond the Institute

<ul style="list-style-type: none"> • Reviewed and Chaired many national and international conferences. • Presently deputed as Dy. Registrar, D Y Patil Deemed-to-be University, Navi Mumbai. • Member for Board of Studies University of Mumbai (UoM) since 2018 • University of Mumbai Nominated Member for Board of Studies of Sardar Patel Institute of Technology (SPIT) since 2019 • Member for Board of Studies for D Y Patil, Ambi Campus since 2019 • As University of Mumbai Board of Studies member, worked as Convener of Results Moderation Committee of UoM for Computer Engineering and Information Technology Departments for 2019 and 2020 examinations including Pandemic

Period. This required me to set an online system of moderation. There were close to 70 colleges under UoM having both Computer and IT branches and each college has approximately 20 results gadgets for moderation including KT and Regular exams.

- As a part of University of Mumbai Board of Studies, I was part of the team for planning and execution of the online exam conduction team and my suggestions were implemented to ensure smooth exam conduction during Pandemic period.
- As BOS member, I held the responsibility of Third year semester VI question paper setting of revised scheme (R-19) for the UoM end semester examination-May 2022.
- University Staff Selection Committee member for regular faculty appointment to the UoM.
- LIC Committee member for UoM.

10. Contributions within the Institute

- HOD of Department of Computer Engineering, RAIT since 2012.
- Dean of Academics and Planning for RAIT since 2012.
- Convened national level workshops every year.
- Founded Software Development Group named SDG-RAIT in 2015 through which consultancy projects are undertaken and internal internships are offered to students. More than 50 projects developed under this idea. Most of them are in use in RAIT and are made available to student through E-Kiosks kept in the corridors of every floor.
- Founded Social Wing RAIT-a student body for social activities in 2015. At present, it is one of the performing committee spreading its wings in **NSS, UBA** and other **Central Government initiative activities**. 30+ events are conducted every year. "Udaan - Let Dreams Fly" is a marathon organized by this committee for raising funds and donations for the society.
- Student Branch Faculty coordinator for CSI since 2012.

- Chairman Women’s Grievance Redressal Cell WGRC-RAIT (Vishakha Cell) since 2012.
- Chairman Women’s Development Cell WDC_RAIT since 2015.
- Convener for Techathon – Software Hackathon of the institute conducted every year.
- Convener for Srijan – Project Competition of the institute conducted every year.
- Session Chair for ICACC – International Conference on Automation, Computing and Communication of the institute conducted every year.
- As Head of the Computer Engineering Department, designed new programs namely “AIDS - Artificial Intelligence and Data Science” and “AIML - Artificial Intelligence and Machine Learning” for D Y Patil Deemed to be University Engineering Institute - RAIT.
- As Subject expert, designed curriculum for new courses in the domain of Machine Learning and Data Science for Major/Minor programs, UG and PG programs of D Y Patil Deemed to be University Engineering Institute - RAIT.
- Designed a curriculum for BBA course – Introduction to Computer Applications for D Y Patil Deemed to be University Management Institute - VPSM.

11. Contributions within the Department

- **Faculty Development Programs/ STTPs Organized and attended**

Academic Year	FDP details	Role	Sponsors
2018-19	Faculty Development Programme On “Overview of AI”	Convener	RAIT
2019-20	5 days FDP on Data Science	Convener	PMMMNTT Shivaji University Kolhapur
	5 days FDP on High Performance Computing	Convener	IEEE Bombay Section
2020-21	5 days FDP on Augmented Reality / Virtual Reality	Convener	AICTE ATAL Academy

	5 Days FDP on Recent Trends in Internet of Things	Convener	AICTE ATAL Academy
2021-22	STTP on Cyber Physical Systems	Convener	RAIT
	STTP on Computational Intelligence in Remote Sensing	Convener	IEEE GRSS Bombay Section
2022-23	STTP on DEVOPS Engineering	Co-Convener	RAIT

- **Grants Received :**

Title	Agency	Role	Amount In Rs.
High Performance Computing Laboratory – 2018-19 and 2019-20	MODROB Funding AICTE, New Delhi	Principal Investigator	12,88,000/-
Minor Research Project Grant from University of Mumbai- 2017-18	University of Mumbai	Principal Investigator	30,000/-
Minor Research Project Grant from University of Mumbai- 2017-18 (Rs 1,15,000) 2018-19 (Rs 2,55,000/-) 2019-20 (Rs 1,10,000/-)	University of Mumbai	HoD	4,80,000/-
FDP on Data Science – 2019-20	PMMMNMST Shivaji University Kolhapur	Convener	41,317/-
FDP on High Performance Computing - 2019-20	IEEE Bombay Section	Convener	1,62,548/-
5 days FDP on Augmented Reality/Virtual Reality 2020-21	AICTE ATAL Academy	Convener	93,000/-
5 Days FDP on Recent Trends in Internet of Things 2020-21	AICTE ATAL Academy	Convener	93,000/-
STTP on Cyber Physical Systems 2021-22	RAIT Sponsored	Convener	36,000/-
STTP on Computational Intelligence in Remote Sensing 2021-22	IEEE Sponsored	Co-Convener	43,430/-

• **RAES Sponsored Projects Developed under Software Development Group (SDG-RAIT)**

Sr. No.	Project Title	Project Guide	Internship Year	Role	Projects used in College
1	Class Timetable Creation	Dr.Bharti Joshi	Summer 2021	Principal Solution Architect	Deployed
2	External Feedback Analysis	Mrs. Saguna Ingle Dr. Leena Ragha	Summer 2021	Guide, Principal Solution Architect	Completed Ready to deploy
3	Faculty Profile System	Mrs.Aditi Chabbria Mrs. Puja Padiya	Summer 2021	Principal Solution Architect	Deployed / under Testing
4	Feedback Sentiment Analysis	Mrs. Siddhi Kadu Dr.Leena Ragha	Summer 2021	Guide, Principal Solution Architect	Completed.
5	Final Year Project Management	Mrs.Smita Bharne	Summer 2021	Principal Solution Architect	In progress
6	Infrastructure tracking and listing portal	Mr.Kamlesh Nenwani	Summer 2021	Principal Solution Architect	Completed
7	Mini-Project Management	Dr.Shilpa Shinde	Summer 2021	Principal Solution Architect	Completed
8	Smart Surveillance System Android APP	Dr. Leena Ragha Mrs. Smita Bhoir	Summer 2021	Guide	Completed
9	DONASTY-Online Smart Charity Donation Booth	Dr. Leena Ragha, Ms.Dhanashri Bhosale	Summer 2021	Guide	Completed
10	Student Empowerment APP	Ms.Dhanashri Bhosale Dr. Leena Ragha	Summer 2021	Guide, Principal Solution Architect	Completed
11	Regional Language Tutor	Ms. Smita Bhoir Dr. Leena Ragha	Summer 2021	Guide	Completed
12	Crowd Management: Transport System	Ms. Smita Bhoir Dr. Leena Ragha	Summer 2021	Guide	Completed

13	Analysis of Faculty Participation Data	Ms. Tabassum Maktum	Winter 2020	Principal Solution Architect	Deployed / under Testing
14	Approval of Internship Automation & Consultancy Approval	Ms. Snehal Mumbaikar, Dr. Vanita Mane	Winter 2020	Principal Solution Architect	Completed
15	Budget & Expenditure Management	Ms. Dhanashri Bhosale, Dr. Vanita Mane	Winter 2020	Principal Solution Architect	Completed
16	Criminal Identification in Public Surveillance Systems for Crime Control and Prevention	Ms. Harsha Saxena Dr. Leena Ragha	Winter 2020	Guide	Completed
17	Faculty Audit System	Dr. Shilpa Shinde, Dr. Leena Ragha	Winter 2020	Guide, Principal Solution Architect	Deployed / under Testing
18	Faculty Expertise Management Tool	Ms. Preet Chandan Kaur	Winter 2020	Principal Solution Architect	Deployed / under Testing
19	Feedback Analyzer	Ms. Saguna Ingle	Winter 2020	Guide, Principal Solution Architect	Completed
20	Online Cultural & Sports Activity	Ms.Swarupa Bodhe	Winter 2020	Guide, Principal Solution Architect	Deployed/ under Testing
21	Plagiarism Checker	Ms. Siddhi Kadu, Dr. Leena Ragha	Winter 2020	Guide,	Completed
22	Student Demography	Ms. Rashmi Dhumal	Winter 2020	Principal Solution Architect	Completed
23	Student Demography	Mrs. Rashmi Dhumal	Summer 2020	Principal Solution Architect	Completed
24	Faculty Expertise Management Tool	Mrs.Preet Chandan Kaur	Summer 2020	Principal Solution Architect	Deployed / under Testing
25	Faculty Participation Details Management	Mrs. Tabbasum Muktam	Summer 2020	Principal Solution Architect	Deployed /

	Tool				under Testing
26	Approval of internships automation	Mrs. Snehal Mumbaikar Mrs. Vanita Mane	Summer 2020	Principal Solution Architect	Completed
27	Budget n Expenditure Management System	Mrs. Dhanashri Bhosale Mrs. Vanita Mane	Summer 2020	Principal Solution Architect	Completed
28	Faculty Publication Management Tool	Mrs.Puja Padiya	Summer 2020	Principal Solution Architect	Deployed/ under Testing
29	Online Cultural and Sport Event Activity Portal	Mrs. Swarupa Sandeep Bodhe	Summer 2020	Principal Solution Architect	Deployed / under Testing
30	Student Result Analysis System	Mrs.Pallavi Chitte and Mr.Tushar Ghorpade	Summer 2020	Principal Solution Architect	Completed
31	BEST Application	Dr. Leena Ragha	Summer 2020	Guide	Completed
32	Final Year Project Management	Mrs.Smita Bharne	Summer 2020	Principal Solution Architect	Completed
33	Faculty Audit System	Dr. Leena Ragha, Dr. Shilpa Shinde	Summer 2020	Principal Solution Architect	Deployed / under Testing
34	E-Certificate for RAIT	Mrs. Smita Bhoir	Summer 2020	Principal Solution Architect	Deployed / under Testing
35	Rait Authentication System	Mrs. Smita Bhoir	Summer 2020	Principal Solution Architect	Deployed/ in Use
36	RAIT Notification System	Mrs. Smita Bhoir	Winter 2019	Principal Solution Architect	Deployed/ in Use
37	MYRAIT	Mrs. Smita Bhoir Dr. Dhananjay Dakhane	Summer 2019	Principal Solution Architect	Deployed/ in Use
38	Attendance Notification system	Mrs. Smita Bhoir	Summer 2019	Principal Solution Architect	Deployed/ in Use
39	Internal Assessment Marks Analysis and	Mrs. Smita Bhoir	Summer 2019	Principal Solution Architect	Deployed/

	Notification				in Use
40	Time-table Monitoring	Mrs. Smita Bhoir Dr. Bharti Joshi	Summer 2019	Principal Solution Architect	Deployed/ in Use
41	Internal Assessment Marks Analysis and Notification	Mrs. Smita Bhoir	Winter 2018	Principal Solution Architect	Deployed/ in Use
42	Time-table Monitoring	Mrs. Smita Bhoir Dr. Bharti Joshi	Winter 2018	Principal Solution Architect	Deployed/ Revised
43	College Management System	Mrs. Smita Bhoir Mr. Tushar Ghorpade Mrs. Snehal Mumbaikar	Summer 2018	Principal Solution Architect	Completed
44	Database Updation of Existing Systems	Dr. Leena Ragha, Mrs. Smita Bhoir	Summer 2018	Guide, Principal Solution Architect	Deployed/ in Use
45	Online Transcript System V2.0	Mrs. Smita Bhoir	Summer 2018	Principal Solution Architect	Deployed/ in Use
46	Student Profile System and Pre-requisite Test V1.1	Mrs. Smita Bhoir Mr.Prathmesh Gunjgar	Summer 2018	Principal Solution Architect	Deployed/ in Use
47	E-attendance System	Dr. Leena Ragha Mrs. Smita Bhoir	2017	Guide, Principal Solution Architect	Deployed / in Use
48	Pre-requisite Test System	Dr. Leena Ragha Mrs. Smita Bhoir	2014	Guide, Principal Solution Architect	Deployed/ Revised
49	E-attendance System	Dr. Leena Ragha Mrs. Smita Bhoir	2013	Guide, Principal Solution Architect	Deployed/ Revised
50	Transcript System V1.0	Dr. Leena Ragha Mrs. Smita Bhoir	2013	Guide, Principal Solution Architect	Deployed/ Revised

- **Awards and Achievements**

Guided Students teams for

- **Smart India Hackathon**

- **2017** Inspiration Award under the Ministry of Rural Development
- **2018** First Prize under the Ministry of Health and Family Welfare
- **2019** Participation Certificate
- **2020** Special Prize under ISRO
- **2021** Participation certificate
- **2022** Participation Certificate

- **Other National level competitions:**

- **2021** - UIDAI Aadhaar Hackathon 2021 - Third position (Rs. 1 Lakh Prize)
- **2021** - Razorpay FTX 2021 - Hackathon (India's largest FINTECH event) First Position (Rs. 2.5 Lakh)
- **2020** - 1st Runner up in TECHNOVANZA-17 by TCS
- **2020** - NIT Raipur's nationwide Hackathon "Codeutsava 4.0" on January, 2020. Second Prize.
- **2020** - "TECHNEX HACKATHON" at Nagpur on 20 -21 January, 2020. Second Prize.
- **2020** - Google Summer of Code Selection Program- 2020, Winner
- **2018** - TATA Crucible The Campus Quiz 2018, Regional Final Winner

- **Aavishkar - University of Mumbai competitions:**

3 rounds competition- selection round, University round and state level round

- **PhD student category**
2019 – Final state level winner
2020 – District level winner
- **UG Category**

2021 - District level winner

- **CSI Student Chapter** – Conducts technical fests, organizes tech talks, workshops, technical competitions, Coding Hackathon, research projects undertaken by research Wing, releases magazine and news-letter.

Magazines and News Letter:

- **Cozine magazine and Technophilia news-letter** got released even in Pandemic time.
- **Decrypt** online platform started under my guidance in 2016. It is used extensively as a platform for publishing technical articles for the students.
- **CSI Technext West Zone competition Awards (applied from the department)**
 - 2018 – Best Awards - 2
 - “Best Principal of the Year” award
 - “Best Student Project” Project was developed by UG students under my guidance.
 - 2019 – Best Awards – 3
 - “Best Institute of the year” Tech & Innovation ecosystem category.
 - “Best Social Impact Project”- Project was developed by Ph.D students under my guidance.
 - “Best Student Project”- Project was developed by UG students under my guidance.

12. Personal Details

Date of Birth	19 th July 1969
Languages	English, Kannada, Hindi, Marathi
Family	<p>Married to Mr. R K Raha (B.Tech, MBA)</p> <p>Retired from services of Reliance Industries Limited, Mumbai in July 2022</p> <p>Mother to two young boys:</p> <p>Rajat Raha – graduated B.Tech, Aerospace Engineering, IIT Khargapur 2015-19, working with J P Morgan and Chase, Mumbai as an Investment Banker.</p> <p>Chinmay Raha – studying B.Tech, Mechanical Engineering, MIT Manipal 2019-23 – Placed for internship at Goldman Sachs, Bengaluru.</p>
(Mobile No):	9987297843
(Email ID):	leena.raha@gmail.com

13. Strengths

- Strong analytical and programming skills.
- Proficient in teaching and administration.
- Ability to support and sustain a positive work environment that fosters team performance with strong communication and relationship management skills.

Publications:

Appendix I

Patents:

Sl. No.	Authors	Patent Title	Country Applied	Patent Application No.	Filing Date	Status
1	Sumithra TV, Leena Ragha, et.al	User Centric Augmented Reality System for Visualizing Tangible and Intangible Heritage	India	202221062720	November 03, 2022.	Under evaluation
2	Leena Ragha, Paras Kadam, et.al	A Smart System and a Method for Monitoring and Scheduling of a Public Transport Bus in Real Time	India	202321042776	June 26, 2023	Under Examination

Appendix II

Copyrights:

Sr. No.	Title	Author	Diary Number	Registration Number	Registration status / Date
1	AR Animal Phonic System	Mrs. Sumitra T V, Dr Leena Ragha	14111/2023-CO/SW	SW-16951/2023	Registered
2	REGIONAL BOARD TRANSLATOR AND READER APP	Dr. Leena Ragha, Jisha Jacob, Pooja Borgaonkar, Priyanka Chavan, Vaishnavi Kolape	13036/2023-CO/SW	SW-16765/2023	Registered
3	Augmented Reality application for Dentistry Procedures	Mrs. Sumitra T V, Dr Leena Ragha, et.al.	9997/2022-CO/SW	SW-16941/2023	Registered
4	A novel approach for emergency response services	Dr. Leena Ragha, Mr. Aakash Jaswal, Mr. Ramit Kovvalpurail, Mr.	949/2022-CO/SW	SW-15983/2023	Registered

	with real time communication and tracking	Harshal Desale,Mr. Shrey Dhingra			
5	Online Customizable three stage academic auditing System	Dr.Shilpa Shinde, Dr. Leena Ragha, Rajan Singh,Prasanna Pagar,Anuj Tiwari,Nachiket Gavad ,Amey Rajmane	1097/2022-CO/SW	SW-15445/2022	24-05-2022
6	Customized E-certificate Generation & Authentication	Mrs. Smita Bhoir, Dr. Leena Ragha,Mr. Pavan MohanbhaiBhanushali,Mr. Aneesh Pradeep Mulay,Mr. Laka Parvez Kuwari,Ms. Pranjali Milind Gurv,Mr. Aditya Sandee Desai,Mr. Shriyash Kashinath Sutar,Mr. Yash Rajeev Kulkarni.	1588/2022-CO/SW	SW-15447/2022	24-05-2022
7	Student's All-round Progress Monitoring & Profile building	Mrs. Smita Bhoir,Dr. Leena Ragha,Ms. Ritika Rajesh Pendam,Ms. Ananya Ashish Mishra,Mr. Shreyas Vijay Mane,Mr. Jay Ashok Ghayar,Mr. Lokesh Jitendra Patil,Mr. Vedprakash Dharmendra Pandey	1660/2022-CO/SW		Under Re-scrutiny
8	Dataset to Analyse effects of Lifestyle on Mother and Child's health	Leena Ragha, Himani Deshpande	14761/2021-CO/SW	SW-14919/2021	07-06-2021
9	Mobile Multimedia Cleaner App	Dr. Leena Ragha Ms. Preet Chandan Kaur Ms. Ankita Mahajan Ms. Mayuri Kumbhar Ms. Ankita Patole	13485/2021-CO/SW	SW-14796/2021	08-10-2021
10	Online Faculty Publication Management System	Mrs. Puja Padiya, Dr. Leena Ragha, Rugveda Shripatrao Sarambale, Prachi Eknath Ramane, Shreya Sanjay Kale, Uzma Khalil Shaikh, Tanvi Mahesh Daware	13602/2021-CO/SW	SW-14816/2021	18/08/2021
11	Private Ridesharing secured with Blockchain	Dr. Leena Ragha, Mrs. Siddhi Kadu,Yash Kulkarni, Hitesh Jaware, Ajinkya Kshirsagar	13557/2021-CO/SW	SW-14810/2021	16/8/2021
12	Budget and Expense Management System	Dr. Leena Ragha, Dr.Vanita Mane, Ms. Dhanashri Bhosale, Hitesh Jaware, Tanmay Malpure, Prajwal Gupta, Jay Ghayar, Ritika Pendam, Aditya Sawant	15014/2021-CO/SW	SW-14843/2021	24/08/2021

13	Transcript System	Mrs. Smita Bhoir, Dr. Leena Ragha	15968/2020-CO/SW	SW-14316/2021	24-03-2021
14	Digital Voting system using Blockchain	Dr Leena Ragha, Anshul Sanjay Shende, Samiksha Subhash Wartak, Mohit Amrutlal Patel	11165/2020-CO/L		11-08-2020 Waiting for hearing

Appendix III-a: Book Chapters

Sr. No.	Name of Book Chapter	Authors	Publisher Details	Date of Publish
1	Cyber threat mitigation using Machine Learning, Deep Learning, Artificial Intelligence, and Blockchain.	Leena Ragha, Snehal Paddalwar, Vanita Mane	CRC Press:: Cyber security threats and challenges in human life : a comprehensive study	2023
2	Realizing Mother's Features Influencing Childbirth Experience toward Creation of a Dataset	Himani Deshpande, Leena Ragha	<i>CRC Press: A Chapman and Hall book : Data Science: Techniques and Intelligent Applications</i>	2022
3	Performance Analysis of Deep Learning models for Reidentification of Person in Public Surveillance Systems	Harsha Saxena, Leena Ragha	River Publishers: Smart Urban Computing Applications	2022
4	Estimation of Bone Mineral Density Using Machine Learning Approach	Bharti Joshi, Shivangi Agarwal, Dr leena Ragha, Navdeep Yadav	Scopus Indexed Communications in Computer and Information Science	2020
5	Comprehensive Method of Knowledge-Based Approach for Word Sense Disambiguation	Gidhe P and Ragha L	Scopus Indexed Lecture notes in Networks and Systems	2018
6	MapReduce framework: Investigating suitability for faster data analytics	Monali Mavani , Leena Ragha	Scopus Indexed Communications in Computer and Information Science	2013

Appendix III-b: International Journal Publications

Sr. No.	Title of Paper	Journal Name	Journal Month -Year	Authors
1	Augmented Reality Remote Assistance to enhance learning using a Novel Framework Design	International Journal of Technology Enhanced Learning, Inderscience Publishers - Scopus indexed	Under publication	Sumithra T.V, Leena Ragha, , Rishi Desai and Arpit Vaishya,"
2	Evolving Usability Heuristics for Visualizing AR/MR Applications using Cognitive	Cognitive Computation and Systems, Wiley Publishers - Scopus indexed	Accepted, under	Sumithra T.V, Leena Ragha, Arpit Vaishya and Rishi Desai

	Model of Information Processing and Fuzzy AHP		revision	
3	Development of NCL equivalent serial and parallel Python routines for meteorological data analysis	Scopus and Web of Science Indexed International Journal of High Performance Computing Applications	2022	Jatin Garat, Bipin Kumar, Leena Ragha, Amit Barve S M Jeelani and John Clyne
4	A hybrid random forest-based feature selection model using mutual information and F-score for preterm birth classification	Scopus Indexed Int. J. Medical Engineering and Informatics	2022	Mrs. Himani Deshpande, Dr. Leena Ragha
5	Review on Smart Healthcare Systems using Cloud and Big Data Analysis	International Journal of Advances, Research Ideas and Innovations in Technology	Mar-18	Sahil Sachadeva, Swapnil Thakur, Rishab Harjai, Leena Ragha
6	Gesture Recognition Based Video Game Controller	International Research Journal of Engineering and Technology	Nov-17	Sudarshan Pol, Pratik Pagade, Harsha Saxena, Leena Ragha
7	Marathi Characters Segregation and Recognition using Clustering and Neural Network	Communications in Engineering and Technology	Jan-17	Rupali Shinde, Dr. Leena Ragha
8	A Competent Model for Sensing Fear Using Physical Parameters	International Journal of Engineering Research in Computer Science and Engineering	Jul-15	Ms. Shalu Bakhtiani, Dr. Leena Ragha
9	Comparative Study on Intrusion Detection Systems for Smartphones	IOSR-Journal of Computer Engineering	Jun-15	Supriya Kamble, Leena Ragha, Puja Padiya
10	Analysis of Improved Neural MLFQ Scheduler	International Journal of Information & Computation Technology	Oct-14	Deepali Maste, Dr. Leena Ragha, Prof. Nilesh Marathe
11	Solving the class time table problem by using GA and TABU search Algorithm	IRD India International Journal on Advanced Computer Theory and Engineering	Sep-14	Premlata A. Sonawane, Leena Ragha
12	An Enhanced Secure Routing Algorithm against Sinkhole Attack in Wireless Sensor Networks	International Journal of Advanced Computational Engineering and Networking	Aug-14	Vandana B. Salve, Leena Ragha, Nilesh Marathe
13	AODV Improvement by Modification at Source Node and Securing It from Black Hole Attack	Journal of Engineering Research and Applications	Aug-14	Debarati Roy Choudhury, Dr. Leena Ragha, Mr. Nilesh Marathe
14	Hybrid Genetic Algorithm and TABU search algorithm to solve class-time table scheduling problem	International Journal of Research Studies in Computer Science and Engineering	Aug-14	Ms. Premlata A. Sonawane, Dr. Leena Ragha
15	Comparison Image Registration Methods for satellite images	International Journal of Scientific and Research Publications	Nov-13	Rachana Gajre, Dr. Leena Ragha
16	Emotion Detection using NN for Images	International Journal of Scientific and Engineering Research	Sep-13	Snehal Gaikwad, Dr. Leena Ragha

17	Emotion Detection Using Neural Network for Images	International Journal for Scientist and Researchers	Jun-13	Prof. Snehal P. Gaikwad, Dr. Leena R. Ragma
18	Optimized bully election method for selection coordinator process and recovery	International Journal of Scientific and research publication	May-13	Rachana Gajre, Leena Ragma
19	Quantum Cryptography with Key Distribution in Wireless Network	International Conference on Advances in Electrical, Electronics, Mechanical and Computer Science	Apr-13	Premlata Sonvane, Leena Ragma
20	3-Level Privacy Preservation Technique in Data Mining	International conference on Emerging trends and technology and it's applications	Mar-13	Priyanka Bagul, Leena Ragma
21	Behaviour Based Malware Detection Based on N-grams Analysis	International conference on Emerging trends and technology and its applications	Mar-13	Umesh Patil, Leena Ragma
22	Intrusion Detection System using Support Vector Machine	International Journal of Applied Information Systems	Mar-13	Jayashri Jha, Dr. Leena Ragma
23	Survey and Analysis on Migration of Legacy System to Service Oriented Architecture	IOSR Journal of Computer Engineering	Jan-13	Krupi Patel, Leena Ragma
24	Ontology to Improve CBIR System	International Journal of Computer Applications	Aug-12	Ashwini Gudewar, Leena Ragma
25	Zonal Moments Based Handwritten Marathi Barakhadi Recognition	International Journal of Engineering Research and Technology	Aug-12	Shreya Patankar, Leena Ragma
26	Text Line and Word Segmentation of Indian Script Handwritten Document	International Journal of Computer Applications	Apr-12	Varsha Hole, Leena Ragma
27	An effective CBIR using Texture	International Journal of Computer Applications	Feb-12	Asmita Deshmukh, Leena Ragma
28	Preprocessing of Indian Script Handwritten Document	International Journal of Computer Applications	Apr-11	Varsha Hole, Leena Ragma
29	Moment Based Online and Offline Handwritten Character Recognition	International Journal of Biometrics and Bioinformatics	Mar-11	Shalaka Deore, Leena Ragma
30	Feature Analysis for Handwritten Kannada Kagunita Recognition	International Journal of computer theory and engineering	Feb-11	Leena R. Ragma, Dr. M. Sasikumar

Appendix III-c: International Conference Publications

Sr. No.	Title of Paper	Conference Name	Conference Month-Year	Authors
1	Performance Comparison of Deep Learning Models for Real Time Sign Language Recognition	Hinweis Second International Conference on Artificial Intelligence and Data Science (AIDE) Scopus	2023	Irtika Khan , Sheetal Kumar, Pratham Rai, Aarnav Rastogi, Leena Ragha
2	User experience evaluation for pre primary children using an augmented reality animal themed phonic system	EIGHTH International Conference on ICT for Sustainable Development. Scopus	2023	Sumitra T V, Leena Ragha
3	Summarizing students text-only answer sheet using SBERT and k-means clustering and evaluating it using semantic search	3 rd International Conference on Artificial Intelligence and Knowledge Processing Scopus	2023	Namita Kiran, Leena Ragha, Tushar Ghorpade
4	Text Summarization using Deep Learning: An Empirical analysis of various algorithms	International Conference on Intelligent Computing for Sustainable Development Scopus	2023	Namita Kiran, Leena Ragha, Tushar Ghorpade
5	Audio de-noising and quality assessment for various noises in lecture videos	2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing IEEE Xplore	2023	Preet Chandan Kaur, Leena Ragha
6	Empirical Analysis of Denoising Algorithms for CCTV Face Images	International Conference on Artificial Intelligence: Theory and Applications (AITA 2023) Scopus	2023	Sumedha Bhagwat, Leena Ragha
7	Comparative Analysis of Image Deblurring Deep Networks	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA) IEEE Xplore	2023	Sneha Mhatre, Tejal Khade, Sakshi Khedekar, Palak Chaplot and Leena Ragha
8	User experience evaluation for pre primary children using an augmented reality animal themed phonic system	EIGHTH International Conference on ICT for Sustainable Development Scopus	2023	Sumithra T.V, Leena Ragha
9	Smart Notes and Summary maker from Lecture Videos	Scopus Indexed	2022	Kadam S,

		13th International Conference on Advances in Computing, Control, and Telecommunication Technologies		Ramane P, Ragha L, Raorane S.
10	User Centric Predictive Model for Mixed Reality Applications	Scopus Indexed 2nd Asian Conference on Innovation in Technology (ASIANCON)	2022	Sumithra, T.V., Ragha, L., Desai, R., Vaishya, A.
11	Image Super Resolution using Enhanced Super Resolution Generative Adversarial Network	ITM Web of Conferences	2022	Raj Sarode; Samiksha Varpe Leena Ragha
12	Predicting students' academic grade using machine learning algorithms with hybrid feature selection approach	ITM Web of Conferences	2022	Snehal Paddalwar; Vanita Mane; Leena Ragha
13	Robust Home Alone Security System Using PIR Sensor and Face Recognition	ITM Web of Conferences	2022	Harsha Saxena; Leena Ragha
14	Freehand to Digital Circuit Reconstruction using HOG and SVM	2nd International Conference on Automation, Computing and Communication 2020 (ICACC-2021) ITM Web of Conferences	14th -15th July 2021	Shubham Mohitte, Shristi Mittal, Rhotuja Satpute, Dhanashri Bhosale and Leena Ragha
15	File Fragment Classification using Content Based Analysis	2nd International Conference on Automation, Computing and Communication 2020 (ICACC-2021) ITM Web of Conferences	14th -15th July 2021	Anirudh Bhat, Aryan Likhite, Swaraj Chavan and Leena Ragha
16	Mother's Lifestyle Feature Relevance for NICU and Preterm Birth Prediction	2nd International Conference on Automation, Computing and Communication 2020 (ICACC-2021) ITM Web of Conferences	14th -15th July 2021	Himani Deshpande and Leena Ragha
17	Random Forest based Fuzzy Feature Weighing model for Imbalance Class Distribution towards Preterm-birth Classification	ICAST-2021 : 4th International Conference on Advances in Science and Technology, Mumbai	May-21	Himani D., Leena Ragha

18	Enhanced Audio Source Separation and Musical Component Analysis	Scopus Indexed 2020 IEEE International Symposium on Sustainable Energy, Signal Processing & Cyber Security (IEEE-iSSSC 2020)	Jul-20	Dr. Ragha Leena R., Shubham Deolalkar, Tanmay Bhagwat, Jayesh Lokhande
19	A Parallel Environment Designing for OWL Thinking	Web of Science Indexed ITM Web of Conferences	July 2020	Madargi, S.C.; Ragha, L.R.; Mane, V.M.
20	Estimation of Bone Mineral Density Using Machine Learning Approach	Scopus Indexed Fifth International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'19)	Dec-19	Bharti Joshi, Shivangi Agarwal, Dr leena Ragha, Navdeep Yadav
21	Real-Time Face Recognition Under Different Environment	Scopus Indexed 2 nd International Conference on Advances in Science and Technology (ICAST)	2019	Roshni Singh, Manas Singh, Leena Rahja
22	Tracking Changes in Human Behavioural Pattern to Prevent Extreme Step	2nd international conference on Electronics, Communication and Aerospace Technology (ICECA 2018)	Mar-18	Smita S Yagav, Ankita Kundu, Vishwanath Chikkaraddi, Leena Ragha
23	Smart Pump Control System for Optimal Distribution of Electricity	Scopus and Web of Science Indexed 2nd international conference on inventive systems and control (ICISC 2018)	Jan-18	Aniruddha Kulkarni, Akaash Kinage, Vishwanath Chikkaraddi, Leena Ragha
24	Sarcasm detection of non # tag statements using MLP-BP	Scopus and Web of Science Indexed International Conference on Advances in Computing, Communication and Control,	Mar-17	Purnima Gidhe, Leena Ragha
25	Delta E Colour Feature Based Multiobject Tracking Using Merge and Split Approach and Kalman Filtering	Scopus and Web of Science Indexed ICECCT Second IEEE international Conference on	Feb-17	Jancy Jabbar, Dr. Leena Ragha

		Electrical, Computer and Communication Technologies		
26	Implementing and improving the performance of AODV by receive reply method and securing it from Black hole attack	Scopus and web of science Indexed International Conference on Advanced Computing Technologies and Applications (ICACTA-2015) Elsevier publication	Jul-15	Debarati Roy Choudhury, Leena Ragma, Nilesh Marathe
27	Binary Image Steganography in Wavelet domain	Scopus and web of science Indexed 2015 International Conference on Industrial Instrumentation and Control (ICIC)	Jul-15	Krupi Patel, Leena Ragma
28	AODV based secure routing algorithm against sink hole attack in wireless sensor networks	Scopus and Web of Science Indexed IEEE International Conference on Electrical, Computer and Communication Techniques	Mar-15	Vandana B. Salve, Leena Ragma, Nilesh Marathe
29	An Enhanced Secure Routing Algorithm against Sinkhole Attack in Wireless Sensor Networks	9th IRF International Conference	May-14	Vandana Salve, Dr. Leena Ragma, Prof. Nilesh Marathe
30	A Genetic Approach for Processor Scheduling	IEEE International Conference on Recent Advances & Innovations in Engineering	May-14	Tabassum Maktum, Rashmi Dhupal, Dr. Leena Ragma
31	Covert channel in IPv6 Destination option Extension Header:	Scopus and web of science Indexed International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA) ,to be held in Apr 2014, jointly organized by St. francis Institute of Technology and IEEE Bombay section	Apr-14	Monali Mavani, Dr. Leena Ragma
32	An Analysis on Real Time Control, Monitoring and Alerts for Surveillance System	International Conference on Recent Advances and Challenges in	Apr-14	Uttara Patil, Nilesh Marathe, Dr. leena Ragma

		Engineering and Management		
33	Security Implication and Detection of Threats due to manipulating IPv6 Extension Headers	Scopus and web of science Indexed INDICON 2013	Dec-13	Ms. Monali Mavani, Dr. Leena Ragma
34	Quantum Cryptography with key distribution in WN	International Conference on Advances in Electrical, Electronics, mechanical and CS	Jul-13	Premalata S, Dr. Leena Ragma
35	Application of Genetic Algorithm for Handwritten Kannada Characters	Scopus and web of science Indexed IEEE International Advance Computing Conference	Feb-13	Vijaya Waghmare, Leena R Ragma
36	MapReduce Frame Work: Investigating Suitability for Faster data Analytics	Scopus Indexed International Conference on Advances in Computing, Communication and Control	Jan-13	Monali Mavani , Leena Ragma
37	Ant Colony Optimizer as an Adaptive Classifier	Scopus Indexed IEEE International Conference on Communication, Information and Computing	Oct-12	Achal Tayade, Leena Ragma
38	Devanagari Character Recognition using Radon Transform and Principal Component Analysis and Linear Discriminant Analysis	International Conference on Computer Science and Information Technology	Jul-12	Sumedha Bhagwat, Leena Ragma
39	Genetic Algorithm as a Recognizer for Handwritten Character Recognition	International Conference on Computer Science and Engineering	Jun-12	Vijaya Waghmare, Leena Ragma
40	Segmentation of Handwritten Touching Characters Based on Joint Points Detection from Devanagari Words	International Conference and Workshop on Emerging Trends and Technology	Feb-12	Akshata Doiphode, Leena Ragma
41	Facial Expression Recognition using Principle Component based Gabor Features	International Conference and Workshop on Emerging Trends and Technology	Feb-12	Madhura Phadke, Leena Ragma
42	Histogram Feature Analysis and Zonal Moments based Handwritten Marathi Barakhadi Recognition	International Conference and Workshop on Emerging Trends and Technology	Feb-12	Shreya Patankar, Leena Ragma

43	Staganography with High Capacity Data Embedding using Modified BPCS	International Conference and Workshop on Emerging Trends and Technology	Feb-12	Smita Bansod, Leena Ragha
44	Modified BPCS steganography using Hybrid cryptography for improving data embedding capacity	Scopus and web of science Indexed 2012 International Conference on Communication, Information & Computing Technology (ICCICT)	October 2012	Smita Bansod, Vanita Mane, Leena Ragha
45	Novel Approach for Segmentation of Handwritten Touching Characters from Devanagari Words	Scopus and web of science Indexed International Conference on Computational Intelligence and Information Technology	Nov-11	Akshata Doiphode Leena Ragha
46	A Survey of Handwritten Document Pre-processing Techniques and Customizing for Indian Languages	Scopus Indexed International Conference and Workshop on Emerging Trends in Technology 2011	Feb-11	Varsha Hole, Leena Ragha
47	Handwritten Digit Recognition using Elastic Matching	International Conference and Workshop on Emerging Trends in Technology 2011	Feb-11	Vanita Mane, Leena Ragha
48	Use of Recursive Equations in Gabor Filter for Online Signature Verification	3rd International Conference on Computer Modeling and Simulation	Jan-11	Yojana Kore, Leena Ragha
49	Using Moments Features from Gabor Directional Images for Kannada Handwriting Character Recognition	Scopus Indexed International Conference and Workshop on Emerging Trends in Technology	Feb-10	Leena Ragha, M. Sasikumar
50	Adapting moments for handwritten Kannada Kagunita Recognition	Scopus Indexed IEEE International Conference on Machine Learning and Computing	Feb-10	Leena Ragha, M. Sasikumar
51	Automation Of Online Signature Verification Problem Using Recursive Implementation Of Gabor Filter	Second International Conference on Advances in Computer Vision and Information Technology	Dec-09	Yojana Kore, Leena Ragha

52	Analysis of Directional Features. Stroke and Contour for Handwritten Character Recognition	Scopus and Web of Science Indexed IEEE International Advance Computing Conference	Mar-09	Supriya Deshmukh, Leena Ragha
53	Dynamic preprocessing and feature analysis for handwritten character recognition in Kannada	IEEE International Advance Computing Conference	Mar-09	Leena R Ragha, Dr. M Sasikumar
54	Handwritten Character Recognition using Elastic Matching and PCA	Scopus Indexed Proceedings of the International Conference on Advances in Computing, Communication and Control	Jan-09	Vanita Mane, Leena Ragha

Appendix III-d: National Conference Publications

Sr.No.	Title of Paper	Conference Name	Conference Month-Year	Authors
1	Agricultural Drone	National Students Conference On Frontier In Engineering And Technology Application.	Apr-18	Ajit Gujral, Saurabh Bisht, Shrey Dhingara, Sharvani Deshmukh, Mr. Vishwanath Chikareddi, Dr. Leena Ragma
2	Real Time Traffic Management Using Google Maps	National Students Conference On Frontier In Engineering And Technology Application.	Apr-18	Pooja Ovhal, Smriti Sinha, Mohini Gawade, Krutanjali Chavan, Mr. Vishwanath Chikareddi, Dr. Leena Ragma
3	Drowsiness Detection System	National Student Conference On Frontiers In Engineering And Technology Application.	Apr-18	Abhishek Parab, Gaurav Jagtap, Sarvesh Thatte, Leena Ragma
4	Smart Food Manager	National Student Conference On Frontiers In Engineering And Technology Application	Apr-17	Anurag Sinha, Aakash Gouda, Sagar Teli, Dr. Leena Ragma
5	Online Signature Verification Using Recursive Gabor Filter	National Conference On Emerging Trends In Computers, Communication And Information Technology.	Mar-09	Yojana Kore, Leena Ragma
6	Self Healing Operating System	National Conference On Emerging Trends In Computers, Communication And Information Technology.	Jan-09	Kavita Shirasat, Leena Ragma
7	Fusion of Geometric, Positional and Moments Features for Handwritten Character Recognition Using Neural Network	National Conference on Computer Vision, AI and Robotics	Oct-07	Leena R Ragma, Dr. M Sasikumar
8	Handwriting Character Recognition- state-of-the-art	Technical report	Dec-04	Leena Ragma, Dr. M Sasikumar