

Biodata

Name of Teaching Staff	Dr. Ramchandra S. Mangrulkar
Designation	Associate Professor
Department	Computer Engineering
Date of Joining the Institution	01.02.2017
Email	Ramchandra.mangrulkar@djsce.ac.in rsmangrulkar@gmail.com
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Professional Memberships	ISTE (Membership No: 61274) ACM Member (Membership No: 9524948) IACSIT (Membership No: 80338207) Researcher ID (P-5004 2017) Scopus Author Id (55401536500)
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Qualifications with Class/Grade:

- Doctor of Philosophy (Ph.D.)** in Computer Science and Engineering in the Faculty of Engineering and Technology 2016}, From S.G.B. Amravati University (Formerly Known as Amravati University, Amravati, Maharashtra, India.
Thesis Topic: “Secured Energy Efficient Routing Protocol for Delay Tolerant Heterogeneous Network”.
Advisor: Mohammad Atique, Professor, PG Department of Computer Science, SGBAU Amravati.
- Master of Technology (M.Tech)** in Computer Science and Engineering completed in June 2008, From National Institute of Technology, Rourkela (Formerly Known as Regional Engineering College), Orissa, India with 8.78 CGPA.
Dissertation Topic: “Hybrid Routing Protocol for Mobile Adhoc Network”.
Advisor: Dr. Ashok Kumar Turuk, Professor, Department of Computer Science, NIT Rourkela, Orissa, India.
- Bachelor of Engineering (B.E.)** in Computer Science and Engineering completed in June 2001 from B.N.College of Engineering, Pusad, Dist: Yavatmal, S.G.B.A.U, Amravati with 76.39 %.

Total Experience in Years:

Teaching: 17+ Years

- Associate Professor, Department of Computer Engineering, D. J. Sanghvi College of Engineering, Vile Parle(W), 01-02-2017 to Till Date.
- Head of Computer Engineering Department, Bapurao Deshmukh College of Engineering,

Sevagram, Wardha, 27-07-2010 to 31-01-2017.

- Associate Professor, Department of Computer Engineering, Bapurao Deshmukh College of Engineering, Sevagram, Wardha, 01-05-2012 to 31-01-2017.
- Assistant Professor, Department of Computer Engineering, Bapurao Deshmukh College of Engineering, Sevagram, Wardha, 01-05-2009 to 30-04-2012.
- Lecturer, Department of Computer Engineering, Bapurao Deshmukh College of Engineering, Sevagram, Wardha, 23-10-2004 to 30-04-2009.
- Lecturer(Adhoc), Department of Computer Engineering, Bapurao Deshmukh College of Engineering, Sevagram, Wardha, 07-08-2001 to 22-10-2004.

Courses Taught:

- Data Structure (SE-CE)
- Algorithm and Data Structure (SE- IT)
- Internet and Java Programming (BE-CE)
- Modern Computer Networking (BE-CE)
- Information Assurance and Network Security (BE-CE)
- Distributed System and Grid Computing (BE-CE)
- Introduction to Computer Network (SE-CE)
- Computer Graphics (SE-CE)
- High Performance Computer Architecture (M.Tech-I)
- TCP/IP and Internetworking (M.Tech-II)
- Object Oriented Analysis and Design (BE-CE)
- Mobile Communication and Computing (TE-CE)
- Cryptography and System Security (BE-CE)
- Advanced Computer Networks and Design (ME-CE)

Projects Guided:

- PhD Project: **00**
 - M.E. Project: **13**
1. A Secured Routing Method For Detecting False Reports And Gray Hole Attacks Along With Elliptical Curve Cryptography In Wireless Sensor Network. (Completed in 2014 by Ms. Sneha M. Sakharkar).
 2. An Optimal Path Determination Of Moving Beacons Using Localized Directional Routing Protocol in Mobile Adhoc Network. (Completed in 2014 by Ms. Kajal K. Kapoor).
 3. Geographical Locations Based Energy Efficient Direction Restricted Routing in Delay Tolerant Network. (Completed in 2014 by Ms. Snehal V. Alone).
 4. A Secured Method for Wireless Sensor Networks Using Elliptical Curves Cryptography. (Completed in 2014 by Ms. Reena S. Satpute).
 5. Designed and Implementation of Peer to Peer Web caching Technique for Mobile Adhoc Network. (Completed in 2016 by Ms. Bhagashri V. Vaidya).
 6. Designed and Development of Trust Based Approach to Mitigate Various Attacks in Mobile Adhoc Network. (Completed in 2016 by Mr. Nilesh N. Dangre).
 7. Designed and Development of Energy Efficient Technique for Wireless Sensor Networks. (Completed in 2016 by Ms. Snehal P. Dongre).
 8. Design and Development of Novel Sentence Clustering Technique for Text Mining. (Completed in 2016 by Ms. Rakhi Waghmare).
 9. Design and Development of Decision Making Model For Spam Email Classification

- Using Neural Network. (Completed in 2016 by Mr. Rahul M. Bansod).
10. Arteri / Vein Classification of Retinal Images to identify Diabetes using Graph Based Approach. (Completed in July 2016 by Ms. Vishakha Fursule).
 11. Lung Nodule Detection using Patched Based Context Analysis Method with Support Vector Machine. (Completed in July 2016 by Ms. Mayuri Bamnote).
 12. Design and Implementation of Smart HealthCare System Using IoT. (Submission ongoing by Mr. Durga Amarnath M. Budida).
 13. Robust Waste Collection exploiting IoT potentiality in Smart Cities. (Submission ongoing by Ms. Sakshi Goenka)

B.E. Project: More than 30.

Academic Duties:

- **College Level and University Level Responsibilities**
- Worked as one of the Coordinator for Organizing AICTE-ISTE Approved One Week STTP on “Insights of Machine Learning and Deep Learning”, Organized during 2nd to 6th July 2018 at DJSCE Mumbai.
- Working as a Member / Coordinator of Research Committee, Program Assessment Committee, Project and Internship Cell in the Department of Computer Engineering at DJSCE Mumbai.
- Worked as one of the Coordinator for Organized Two days Faculty Development Program on the topic, “Research Areas in IoT (RAIoT 2017)”, organized during 14th to 15th July 2017 at DJSCE Mumbai.
- Worked as BOS Member of Computer Science and Engineering and Computer Technology Board from Dec. 2016 to Jan 2017.
- Worked as Examiner for Paper Setting and Moderation for Ph.D Aptitude Test (PAT), RTMNU Nagpur during 2016-17.
- Worked as District Coordinator (Wardha District) for “Padmabhushan Dr. Vijay Bhatkar Gaurav Mahotsav” and State Level Working Model & Poster Competition on “Innovative Technologies for Rural Development in Maharashtra” organized on 9th Oct 2016 held at Govt. Polytechnic Murtizapur.
- Worked as SPOC Coordinator for NPTEL Local Chapter and Successfully Hosted Local Server at Institute.
- Worked as VC nominee for conducting UGC interview at Cummins College of Engineering on 13th April 2017.
- Worked as VC nominee for conducting UGC interview at G.H.R.I.E.T.W on 9th May 2016.
- Worked as VC nominee for conducting UGC interview at Vilasrao Deshmukh College of Engineering, Nagpur on 17th June 2016.
- Worked as VC nominee for conducting UGC interview at OM College of Engineering, Wardha on 20th June 2016.
- Worked as DTE Committee Expert for Nava College of Engineering on 18th Feb. 2016.
- Worked as DTE Committee Expert for Abha Gaikwad Patil college of Engineering on 18th Feb. 2016.
- Worked as one of the Panelist in 3rd Industry Institute Interaction Meet (III Meet) on 23rd April 2016 organized at Bapurao Deshmukh College of Engineering in association with Wardha IT Park, Wardha and ECPA.
- Worked as Convener for Curtain Raiser of Wheelspin 2016 (A National Technical Festival) by the hands of Padmashri Dr. Vijay Bhatkar organized on 16th Feb. 2016.
- Worked as coordinator for Gathering Information from whole college and presenting in proper format to be submitted to DTE during NOV 2015.

- Worked as coordinator for “Semester Exit Meet”, organized on 10th Nov. 2015 at APJ Hall, BDCE Sevagram.
- Worked as coordinator for 84th Birth Anniversary of Bharat Ratna Dr. APJ Abdul Kalam on 15th Oct. 2015 at BDCE Sevagram.
- Worked as coordinator and organized a Centennial Talk by The World Renowned Scientist Padamshri Dr. T. Padmanabhan on 13th July 2015. The topic of centennial talk was “The Enigma of Gravity”.
- Worked as coordinator for Digital India Week Program organized on 7th July 2015 at BDCE Sevagram.
- Worked as Member on LEC Committee at GovindraoWanjari College of Engineering, Nagpur on 04th March 2015.
- Worked as Member on LEC Committee at AVBIT College of Engineering on 11th March 2015.
- Worked as Member on LEC Committee at G.H.Raisoni Academy of Engineering, MIDC Hingana, Nagpur on 11th July 2014.
- Worked as Member on LEC Committee at Agnihotri College of Engineering, Nagthana, Wardha on 10th July 2014.
- Worked as Expert Committee member at Anjuman College of Engineering, Nagpur on 18th June 2014.
- Worked as Organizing Secretary of 3rd Int. Conference, IC-QUEST 2014 organized by BDCE in association with Institution of Engineers and in collaboration with IJCA, IJERT and IJRET on 19th April 2014.
- Worked as Coordinator of “Ganesh Fest 2013” organized during 9th to 18th Sept 2013 in BDCE Campus.
- Worked as Coordinator for framing syllabus for Computer Engineering implemented from session 2013-14 for B.E., RTMNU Nagpur.
- Worked as co-opted member of Computer Engineering and IT Board during 2009, 2010, 2011 and 2012 for both summer and winter examination.
- Worked as member of Selection and Appraisal committee for Walk-in-interview and Appraisal Interview during April 2012, 2013.
- Worked as member of Selection and Appraisal committee for Walk-in-interview and Appraisal Interview during June 2010, June 2011.
- Worked as Officer- in-Charge of University Exam conducted during winter 2010 for Ex-Students of FYBE and Even Semesters.
- Interview of Lecturer at Bapurao Deshmukh College of Engineering, Sevagram, dist: Wardha on 16th and 17th June 2010.

- **National and International Level Responsibilities**
- Working as Technical Chair for **Second International Conference on Advance Computing and Application (ICACTA 2020)** on the theme “Intelligent Computing” to be organized during 28th and 29th February, 2020 at DJSCE Mumbai.
- Worked as program committee member second International Conference on Advanced Wireless Information, Data and Communication Technologies (AWICT 2017) to be held at Paris, France during 13th to 14th Nov. 2017.
- Worked as Guest Editor for International Conference on Computing, Communication and Information Security (CCIS 2017) organized by IRET Bengaluru, Karnataka during 19th - 20th June 2017.
- Worked as Session Chair for the cPGCON-2017 at Sandip Foundations Sandip Institute of Technology and Research Centre, Nashik held during 24th -25th March

2017.

- Worked as jury member for “Young Innovator Award Z 24 Tass ”on 9th Feb. 2017.
- Worked as Advisory Committee Member for 5th International Conference IC-QUEST 2016 organized on 12th May 2016 at BDCE Sevagram.
- Worked as Convener for Wheelspin 2016, A National technical Festival organized on 26th Feb. 2016.
- Worked as Secretary for IC-QUEST 2015, International Conference on Quality Up-gradation in Engineering, Science and Technology held at BDCE, Sevagram on 19th April 2014.
- Worked as Judge for Technovenza: National Level Techfest at BDCE on 24th March 2014.
- Worked as Session Chair in International Conference organized by Shri Shankar Prasad Agnihotri College of Engineering, Wardha.
- Worked as Session Chair in International conference on eco friendly and Energy Saving Product and Process on 15th Feb 2013 at Shri Shankar Prasad Agnihotri College of Engineering, Wardha Maharashtra.
- Worked as Session Chair in National Level Tech. Paper Presentation, BLITZKRIEG 2012 organized by Datta Meghe Institute of Engineering, Technology and Research, Wardha.
- Worked as Session Co-chair, member of advisory committee, in-charge of certification committee in international conference on “Benchmarks in Engineering Science and Technology”, held during 7th and 8th Sept. 2012 organized by BDCE Sevagram.
- Worked as Session Co-chair, member of advisory committee, in-charge of certification committee in AICTE Sponsored international conference on “Emerging Frontiers In Rural Technology”, held during 17-18 March 2012 organized by BDCOE Sevagram.
- Worked as Judge for INNOVATIONS & INVENTIONS-2012, A National Level Project Competition for Degree & Diploma Students on 4th February 2012 organized by Shri Shankar Prasad Agnihotri College of Engineering, Sevagram, Wardha.
- Worked as a member of local advisory committee in National Level Techfest, Wheelspin 2011 organized on January 25, 2011 and Wheelspin'12 organized on 21st Feb 2012 by BDCOE Sevagram.
- Worked as Judge for BLITZKRIEG '11, National Level Technical Event organized by Datta Meghe Institute of Engineering, Technology and Research,, Wardha on 17th Feb 2010.
- Worked as Judge for Paper Presentation Event organized by G.S. Commerce College Wardha on 4th Jan 2010.
- Worked as Coordinator of paper presentation event in 13th ISTE Annual Students Convention of Maharashtra and Goa Section and National Level Techfest WHEELSPIN 2010.
- Worked as Chairman and Judge in ISTE student’s convention of Maharashtra and Goa Section, National Level Techfest, Threshold-2009, during 15th -16th Feb 2009 organized by B.N.C.O.E Pusad, Dist: Yavatmal.
- Worked as Chairman in National Level Techfest, Technoxtreame 2009 during 27-28th Feb 2009 organized by J.D.I.E.T Yavatmal.
- Worked as Judge in National Level Techfest, WHEELSPIN 09 on 20th Feb 2009 organized by B.D.C.O.E Sevagram.
- Worked as In charge of Registration and Certi_cate committee in National Level Techfest, WHEELSPIN'09 on 20th Feb 2009 organized by B.D.C.O.E Sevagram.
- Worked as Judge in Genesis 2008, Software Programming Context organized ISTE Students Chapter, B.D.C.O.E Sevagram.

- Worked as Committee Member in MESH 2003, MESH 2004 and Eureka 2002 organized by B.D.C.O.E Sevagram.
- Worked as Judge in BLITZKRIEG 2004, ISTE 3rd Convention of students organized ISTE Students Chapter, B.D.C.O.E Sevagram.
- Worked as Judge in Poster Competition and Model Exhibition organized by J. L. Chaturvedi College of Engineering, Nagpur.
- Worked as Judge in Paper Presentation Competition organized G. S. College of Commerce, Wardha.

Interaction with Professional Institutions:

- Delivered expert talk in Pre-Ph.D. Course work organized for c1 (Research Methodology) and C3(Seminar & Report) scheduled on 17th and 18th June 2017 at Bapurao Deshmukh College of Engineering, Sevagram, Wardha.
- Delivered guest lecture on the topic, "Research writing using Latex(IEEE Paper writing, Report writing)" at Vidyavardhini College of Engineering, Vasai on 11th August 2017.
- Delivered Expert Lecture in ISTE Approved STTP on "*Energy Conservation in Smart Cities*" at J.D.I.E.T Yavatmal on 21st April 2016.
- Delivered Expert Lecture on "*Latex and Its Application in Manuscript Preparation*", in Sinhgad Karandak, SKNCOE Pune on 15th Jan. 2016.
- Delivered Expert Lecture on "*Simplified Programming in Network Simulator 2(NS2): My own Way*", in ISTE Approved STTP on Advanced Wireless Networking and Hands on Protocol Simulation" on 29th Oct. 2015.
- Conducted One Day workshop on "*Latex and Its Importance in Thesis Writing*", organized by PG Department of Computer Science, G.H.R.I.E.T.W Nagpur on 10th Oct. 2015.
- Delivered Expert talk on "*Latex and its Importance in Manuscript Preparation*", at Umrer College of Engineering, Umrer, Dist: Nagpur on 9th Sept 2015.
- Delivered Expert Talk on "*Latex and its Importance in Manuscript Preparation*", at SSPACE Wardha on 2nd Sept 2015.
- Delivered Expert Talk on "*Practical Approach to NS2*", in ISTE Sponsored STTP (AEECIT-14) organized by St. Vincent Pallotti College of Engg., Nagpur on 25th April 2015.
- Conducted Two Days Workshop on "*Network Simulator Programming*" on 8th and 9th April at College of Engineering, Ambejogai.
- Conducted TWO Days Workshop in "*Latex and Its Importance in Manuscript Preparation*" on 17 -18 March 2014 at BDCE Sevagram.
- Conducted Two Days Workshop on "*Basics of NS2*" on 1st and 2nd March 2014 at BDCE Sevagram.
- Conducted TWO Days workshop on "*Latex : No one can format it as I can*" in Sinhgad Karandak, Techtonic on 5-6 Feb 2014 organized by Department of Computer Engineering, SKNCOE Pune.
- Delivered expert lecture during one day workshop on *Network Simulator Programming Approach* on 13th Dec 2013 organized by dept. of Computer Technology, YCCE Nagpur.
- Delivered Guest Lecture on "Latex", at B.N.C.O.E Pusad on 20th Dec 2013.
- Conducted One Day Workshop on "Latex and Its Importance in Manuscript Preparation" at Padmashri Vasantdada Patil Institute of Technology, Bawdhan, Pune, Maharashtra on 21st Sept 2013.
- Conducted One Day Workshop on "Latex and Its Importance in Manuscript Preparation" at M.G.M College of Engineering, Nanded, Maharashtra on 1st April 2013.
- Delivered expert lecture in AICTE Sponsored One Week STTP on "Research

Methodology" Organized by Priyadarshini Institute of Engg. and Tech., Nagpur, Maharashtra on 26th April 2012.

- Delivered expert lecture in TEQIP-II sponsored one week STTP on "Research Methodology", at Shri. Guru Govind Singh Institute of Engg. and Technology, Nanded, Maharashtra on 12th March 2012.
- Conducted One Day Workshop on *Latex and Its Importance in Manuscript Preparation* at Smt. Kashibai Nawale College of Engineering, Wadgaon(Bk), Pune, Maharashtra on 11th March 2012.
- Conducted One Day, Two Session on *Latex and Its Importance* in ISTE Sponsored STTP on Research Methodology on 11th Jan 2013 organized by Priyadarshini Institute of Engineering and Technology (PIET), Nagpur.
- Conducted One Day workshop on "*Latex and its use for Manuscript Preparation*" on 7th Jan 2013 organized by Suresh Deshmukh College of Engineering, Selukate Wardha, Maharashtra
- Conducted practical oriented sessions on "*NS2: Wired and Wireless Simulation*" in ISTE-STTP on Advance Wireless Networking organized by B.D.C.E during 26th Nov to 1st Dec 2012.
- Conducted One Day workshop on "*Latex and its use for Manuscript Preparation*" on 27th Oct 2012 organized by ISTE Staff Chapter, Rajiv Gandhi College of Engineering Research and Technology (RCERT) Chandrapur.
- Delivered Expert lecture on topic "*Synopsis Writing, Report Writing, IEEE Paper Writing in Latex*" in ISTE-STTP on Image and Video Processing during 28th Feb- 3rd March 2012 at BDCE Sevagram.
- Delivered Guest lecture on "*Research Paper Preparation and Presentation*", on 20th July 2011 organized by IE Students chapter BDCE. Delivered Guest lecture on topic "NS2 Simulation and how to implement new protocol in NS2." On 21st Jan 2009 at J.D.I.E.T Yavatmal, Maharashtra. Delivered Guest lecture on topic "*Sensor Network*" On 15/02/2010 at J.D.I.E.T Yavatmal, Maharashtra
- Delivered Expert Lecture on topic: "*Introduction to MaNet and Protocol Implementation in NS2*", in ISTE STTP organized during 1-6 Dec 2008 at B.D.C.O.E Sevagram, Wardha , Maharashtra.

Workshop, lecture series & conferences attended:

- Attended one day faculty development program on the topic: How to do Good Industrial Research organized by Computer Dept on 24th August 2018.
- Attended Syllabus Revision Workshop at D.J. Sanghvi College of Engineering for TE and BE computer Engineering syllabus at Mumbai University on 10th March 2017.
- Attended BDI Division, DST sponsored 4-day Training Programme on \Recent Trends and Applications in Big Data Analytics [Data Science Research]" at RCOEM, Nagpur during 19-22 Dec. 2016.
- Attended in the One Day Syllabus restructuring of M.Tech / M.E (CSE / WCC / SS/ ESC) organized by TGPCET Nagpur and RTM Nagpur University, Nagpur on 30th March 2016.
- Contributed in the syllabus revision of Nirma University Institute of Technology, Computer Science and Engineering Department for the course B. Tech. in Computer Engineering.
- Attended Syllabus Up-gradation Workshop at St. Vincent Pallotti College of Engg. , Nagpur on 23rd March 2015.
- Attended Syllabus Review workshop on 24th Jan 2014 at Priyadarshini Indira Gandhi

College of Engineering, Nagpur.

- Attended Syllabus Review workshop on 17th Oct 2013 Zulelal Institute of Technology Nagpur.
- Attended One Week Faculty development program on *Network Simulator (NS2)* organized by Department of Computer Engineering, Sinhgad College of Engineering, Vadgaon(Bk), Pune during 14-19 October 2011.
- Attended Syllabus Modification meeting workshop on 24th Dec 2011 at TGPCOE Nagpur.
- Attended Pre-Conference Tutorial on "*Wireless and Sensor Network*" during 15-17 Dec 2010 organized by Indian Institute of Technology (IIT) Allahabad.
- Attended Four days training workshop as a part of IBM Software Education Program on "Object Oriented Analysis and Design Using UML with Essentials of Rational Software Architect" organized by Department of Computer Engg. and IT, B.D.C.O.E Sevagram, Wardha, during 29th Oct to 1st Nov 2010.
- Attended three days Faculty Development Program on *IBM DB2 Software* during 27-29 Sept. 2010 organized by J. D. College of Engineering, Nagpur.
- Attended Two days Conference on Advances in Wireless Communications (NCAWC 2010) during 7-8 May 2010 organized by S.S.G.M.C.O.E Shegaon, Maharashtra.
- Attended One week workshop on "*Open Source Applications*" organized by Sipna College of Engineering, Amravati, during 28th Dec to 01 Jan 2010.
- Attended one day workshop on "\NBA accreditation and its importance" conducted by Dr. Gupta from NITTR on 2nd April 2009 at B.D.C.O.E Wardha.
- Attended 10th International Conference on Soft Computing, held at National Institute of Technology, Rourkela Orissa.
- Attended SECNET 04 National Level Three Days Workshop on Network Security, Indian Institute of Technology, Mumbai, Maharashtra during 11-13 Feb 2004.
- Attended All India Seminar on "\Avenues in Computing, Comm. & Information Technology (ACCIT-05)" organized by Kavikulguru Institute of Technology & Science, Ramtek in association with The Institution of Engineers (India), Nagpur Local Centre Nagpur during 12-13 March 2005.
- Attended Two Week STTP on "Role of Information Technology in Education" organized by Walchand College of Engineering, Sangli, and Maharashtra during 12-24 Dec 2005.
- Attended One Day Workshop on "Library Development" organized by ISTE at B.D.C.O.E Sevagram.
- Attended Project Demonstration on "Face Recognition System" in the office premise of the Addl. Director General of Police, State CID, Pune along with Superintendent of Police, Wardha on 4th September 2004.

Grants fetched:

- **Personal (Grant in aid)**
Research Project proposed on the topic, "*A Secured Energy Efficient Routing Protocol for Delay Tolerant Hybrid Network*", is considered and approved and Rs. 3, 50,000- is sanctioned under RPS scheme of AICTE, New Delhi, for year 2013-14 and onwards. It was also preliminary short listed in year 2011-12 under RPS scheme of AICTE, New Delhi.
- **Computer Engineering Department(BDCE)**
CSIR: Rs. 40,000/- (Sanctioned) [Ref. No: SYM/7691/12-HRD dated 24th Dec 2012]
UGC: Rs. 96,750/- (Received out of Rs. 1,29,000) [Ref. No.: F.No.-24-158/12 (WRO) dated 06th May 2013 and F.No.-24-159/12 (WRO) dated 06th May 2013]

Publication & Conferences :

A. Refereed International / National Journal Publications: 06

1. R. S. Mangrulkar and Dr. Mohammad Atique, "SEDAR: Secured Energy Efficient Destination Aware Routing Protocol in Delay Tolerant Network" published in International Journal of Communication Networks and Distributed Systems (IJCNDS), Vol. 14, No. 3, 2015.
2. R. S. Mangrulkar and Dr. Mohammad Atique, "Implementation and Testing of Delay tolerant Network using Self-Capable and Routing Nodes: A Case Study" in International Journal of Computer Networking, Wireless and Mobile Communications (IJCNWMC) ; ISSN(Print):2250-1568; ISSN (Online): 2278-9448 ; Impact Factor (JCC): 2.5967, Vol. 3, Issue 1, Mar 2013, 231-244.
3. Snehal P. Dongre and R. S. Mangrulkar , "Optimal Cluster Head Selection Based Energy Efficient Technique for Defending against Gray Hole and Black Hole Attacks in Wireless Sensor Networks" in Elsevier, Procedia Computer Science 78 (2016), pp.423-430.
4. R. S. Mangrulkar and Dr. Mohammad Atique, "Simulative Comparison between Delay Tolerant Routing Protocol: MaxProp and Prophet" in Global International Journal of Computer Application and Technology, GJCAT, Vol 1 (4), 2011, 590-594, ISSN: 2249-1945.
5. Kajal K. Kapoor, R. S. Mangrulkar and Dr. Mohammad Atique, "An optimal path determination of moving beacons using Localized Directional Routing Protocol in Mobile Adhoc Network", published in International Journal of Enhanced Research in Science Technology & Engineering, vol 3 issue 1, pp. 38-46, March 2014.
6. R. S. Mangrulkar, P. M. Jawandhiya, Dr. Mohammad Atique and Dr. M. S. Ali, "A Novel Hybrid Routing Protocol for Mobile Adhoc Network", published in International Journal of Advancement in Technology , <http://ijict.org> , ISSN 0976- 4860, Vol 1, No 2 (October 2010) @IJoAT , pp. 185-196.

B. Non-Referred International / National Journal Publications: 11

1. R. S. Mangrulkar and Pallavi V. Chavan, "Encrypting Informative Image by Key Image using Hill Cipher Technique", published in International Joint Journal of Recent Trends in Engineering ISBN978-952-5726-05-3, May 2009.
2. R.S. Mangrulkar, Makrand R. Shahade, M. A. Pund and Dr. C. A. Dhote, "Hybrid Routing Protocol with Broadcast Reply for Mobile Adhoc Network", published in International Journal of Computer Applications, IJCA, Number 10 (ISBN: 978-93-80746-09-8), February 2010, pp 131-136.
3. R.S.Waghmare, R.S.Mangrulkar and V.G.Bhujade, "Sentence level Clustering Using Natural Language Processing", published in the International Journal of Engineering Research (IJOER), Volume 3, S2, June 2015, ISSN- 2321-7758.
4. R.S.Waghmare, R.S.Mangrulkar and V.G.Bhujade, "Study on Different Sentence Level Clustering Algorithms for Text Mining", published in the International Journal of Pure and Applied Research in Engineering and Technology.
5. Sneha.M.Sakharkar and R.S.Mangrulkar, "Implementation on Secure Routing Method for

- Detecting False Reports and Gray-hole Attacks along with Elliptic Curve Cryptography in Wireless Sensor Network", published in International Journal Of Engineering And Computer Science, pp.8865-8870.
6. Reena Satpute, A.N.Thakre and R.S.Mangrulkar, "Performance Analysis of Wireless Sensor Networks using Elliptical Curves Cryptography", published in International Journal of Engineering Research & Technology (IJERT), Vol. 3 - Issue 7 (July -2014).
 7. Snehal V. Alone and R.S.Mangrulkar, "A Review on Geographical Location Based Energy Efficient Direction Restricted Routing in DTN", published in International Journal of Research in Engineering and Science (IJRES).
 8. Rahul Bansod, Ms. Vaishali Bhujade and R.S.Mangrulkar, "Spam Classification using Arti_cial Neural Network with Weight Measures", published in International Journal of Advanced Computer Technology (IJACT),pp.68-72.
 9. Rahul Bansod, Ms. Vaishali Bhujade and R.S.Mangrulkar, "Text and Image based Spam Email Classification using an ANN Model-an Approach", published in International Journal on Recent and Innovation Trends in Computing and Communication
 10. P.M. Jawandhiya, Pravin R. Satav, Suresh A. Asole, R. S. Mangrulkar and Dr. M. S. Ali, "Image Indexing for Fast Retrieval of Image from Image Database Using Color Feature", published in International Journal of Advancement in Technology , <http://ijict.org> , ISSN 0976-4860, Vol 1, No 2 (October 2010) @IJoAT , pp. 174-184.
 11. R.S. Mangrulkar and Pallavi V. Chavan, "Sharing a Secret in Network", IETECH Journal of Information Systems, volume 4, No. 02, 84-87, 2010, ISSN: 0973-8096.

Papers presented in International Conferences: 37

1. Mr. Ramchandra Mangrulkar , "Design of Neuromuscular Stimulation to Supervise Parallelized Arm using Human-Machine-Human Interaction", published in 4th International Conference on Computing, Communication, Control And Automation (ICCUBEA 18) during 16th to 18th Aug. 2018.
2. Mr.Prashil Negandhi and Dr. Ramchandra Mangrulkar, " "Intrusion Detection System using Random Forest on the NSL-KDD Dataset" in Fifth International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-18). (Springer) Date: 27-28 July, 2018 at Nitte Meenakshi Institute of Technology (NMIT), Yelahanka, Bangalore, India.
3. Mr. Durga Amarnath M. Budida & Dr. R.S.Mangrulkar, "Design and Implementation of Smart Health Care System using IoT ", published in IEEE Sponsored 4th International. Conference on Innovation and Information Embedded and Communication System (ICIIECS17), held on 17th and 18th March 2017, organized by Karpagam College of Engineering, Koimbatore, Tamilnadu, India.

4. R.S.Mangrulkar, "Retinal Image Classification Technique for Diabetic Identification", in IEEE International Conference on Engineering and Technology (ICET) organized by Karpagam College of Engineering, Coimbatore during 16 to 17 Dec. 2016.
5. R. S. Mangrulkar and Dr. Mohammad Atique, "Design and Implementation of Delay Tolerant Network: A Case Study", IEEE International Conference, NuiCone 2012, Organized by Nirma University Ahmedabad, Gujarat.
6. R. S. Mangrulkar and Dr. Mohammad Atique, " Performance Evaluation of Delay Tolerant Routing Protocols by Variation in Buffer Size" in International Conference on Advances in Engineering , Science and Management. organized by ESG Pillay Engineering College , Nagapattinam during 30 to 31 March 2012. ISBN: 978-1-4673-0213-5
7. R. S. Mangrulkar and Dr. Mohammad Atique, "Trust Based Secured Adhoc On Demand Distance Vector Routing Protocol for Mobile Adhoc Network", published in 6th IEEE International conference on Wireless and Sensor Network during 15 to 19 Dec. 2010 organized by Indian Institute of Technology, Allahabad, Uttar Pradesh, IEEE catalogue no. CFP1075DPRT having ISBN No: 978-1-4244-9728-7.
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13. Ms. S. P. Dongare, Prof. R. S. Mangrulkar, "An Improved Cluster Head Selection Approach for Energy Efficiency in Wireless Sensor Networks: A Review" in proceedings of IEEE Communication Society Chapter, Pune Section, India of International Conference on Pervasive Computing ICPC 2015 organized by Sinhgad College of Engineering, Pune during 8 to 10 Jan. 2015.
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17. Mr. Rahul Bansod , Prof. R.S. Mangrulkar and Prof. V.G.Bhujade, "Text and Image based Spam Email Classification using an ANN Model- an Approach" 2nd international Conference on Science and Technology for Society (ICSTS-2015), Jhulelal Institute of Technology, Nagpur (India) 19th May 2015.
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20. Ms. Vishakha Fursule and Dr. R. S. Mangrulkar, "Artery / Vein Classification of Retinal Images to identify Diabetes", published in 5th International Conference on Quality Up-

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26. R.S.Waghmare, R.S.Mangrulkar and V.G.Bhujade, "Study on Different Sentence Level Clustering Algorithm for Text Mining", Presented and Published in 3rd Int. Journal of Pure and Applied Research in Engineering and Technology (IJPRET) at IBSS Collage, Amravati, April 2015.
27. Miss. Reena S. Satpute, Prof. R. S. Mangrulkar, Prof. Amit N. Thakare, "An Efficient Clustering Algorithm for Wireless Sensor Networks", in proceedings of 3rd International Conference on Quality Up-gradation in Engineering Science and Technology(IC-QUEST 2014) organized by B.D.College of Engineering Sevagram, Wardha, April 2014.
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Papers presented in National Conferences: 06

1. Ms. Mayuri Bamnote, Prof. A.D.Gotmare and Prof. R. S. Mangrulkar, "Sustainable Computing and Communication for Development", published in 3rd National Conference, NCSC2D in association with IETE and IEI held at Prof. Ram Meghe Institute of Technology and Research Badnera on 12th and 13th Feb. 2016.

2. Ms. Vishakha Fursule and Prof. R. S. Mangrulkar, "An artery vein classification of retinal images to identify diabetes using graph based approach", published in 3rd national conference on NCSC2D in association with IETE and IEI held at Prof. Ram Meghe Institute of Technology and Research Badnera on 12th and 13th Feb. 2016.
3. R. S. Mangrulkar and S. N. Dagadkar, "Linux Virtual Server: A Survey and comparison" published in 5th National Conference on Emerging Trends and Technology (eITBM 2010) during 9 to 10 Oct. 2010, organized by Vidya Pratishthan's Institute of Information Technology, Baramati, Maharashtra.
4. R.S.Mangrulkar and P.V.Chavan, "Use of secret sharing scheme in remote voting" proceeding of National Conference held at M.P.C.C.E.T Bhilai , Chattisgarh., during 02 to 03 March 2007.
5. R.S.Mangrulkar and P.V.Chavan, "Effective method for securing images using visual cryptography in communication" proceeding of National Conference held at D. J. Sanghavi College of Engineering, Vile Parle , Mumbai during 24-26 Feb 2006.pp.A- 58.
6. R.S.Mangrulkar , "Multimedia Technology" National Level Paper presentation 2004 held at Bapurao Deshmukh College of Engineering Sevagram, Wardha.

Books Published / Book Chapter / IPRs / Patents

1. The chapter entitled, "Direction-Aware Routing Protocol for Delay Tolerant Network: Architecture, Design, and Implementation "authored by Dr. Ramchandra S. Mangrulkar and Dr. Mohammad Atique has been Published as Chapter 6 in the book, " Routing Protocols and Architectural Solutions for Optimal Wireless Networks and Security" by the United States of America IGI Global Information Science Reference (an imprint of IGI Global) 701 E. Chocolate Avenue Hershey PA, USA 17033, ISBN13: 9781522523420
2. The chapter entitled, "Applications of Machine Learning in Wireless Sensor Network", authored by Dr. Ramchandra S. Mangrulkar & Mr. Prashil D. Negandhi published in Soft Computing in Wireless Sensor Networks published by Chapman and Hall/CRC Press London, ISBN 9780815395300 - CAT# K344196.

Reviewer of International Journal

- Reviver of International Journal of Computer Applications(IJCA)
<http://www.ijcaonline.org/review-board>
- Reviver of Journal of Network and Computer Applications
http://www.elsevier.com/wps/_nd/reviewershome.reviewers
- Reviver of International Journal of Computational Science and Applications (IJCSA)
<http://airccse.org/journal/ijcsa/editorialBoard.html>

M.E / M.Tech Dissertation Examiner

- Worked as Examiner for evaluation of M.E. / M.Tech Examiner at RTMNU Nagpur, SRTMNU Nanded , Gondwana University Gadchiroli, Savitribai Phule Pune University.
- Worked as Examiner for evaluation of M.E. / M.Tech Examiner at Government

Engineering College, Aurangabad.

Awards and Achievements

- Short listed for award for “Distinguished HOD ”at the (Spoken Tutorial, FOSSEE) IIT Bombay & Computer Society of India-Mumbai (CSI) TechNext India 2017 Symbiosis of Academicians and IT Industry Annual Academic Conference & Awards to Academia during 14 & 15 Jan. 2017.
- Awarded Gold Medal from B.N.C.O.E Pusad on account of securing 7th merit position in Amravati University, Computer Science and Engineering branch.
- Received I prize in National Conference "Technologia 2007" in paper presentation for paper "Use of secret sharing scheme in remote voting".
- Certificate of Appreciation from Supretendant of Police, Wardha.
- Certificate of Appreciation from DIG Spl. Crime Branch Pune.
- Certification of Achievement from IIT Kanpur and ACM.