



Dr. ASHOK M. KANTHE

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PROFILE:

- **Ph. D.** from the Department of Wireless Communication at **University of Zagreb** (<http://www.unizg.hr/homepage/>), **Zagreb, Croatia, Europe**, Faculty of Electrical Engineering and Computing (FER <http://www.fer.unizg.hr/>) under **Erasmus Mundus Mobility for life**, lot 11 (<http://www.erasmus.mobilityforlife.aau.dk/>).
- Received **Research Funding 14.45 Lakh Approx.** (18175 Euro=1500*9 expences +75*9 Insurance+1000 Travelling + 3000 Tuition Fees) through Erasmus Mundus Mobility for life.
- Reviewer and session chair for IEEE and Springer Conferences.
- Has a teacher in the area of **Adhoc Wireless Networks, Computer Network, Machine Learning , Cyber Security and Laws.**
- **Local Inquiry Committee (LIC)** member of University of Mumbai.
- Minor Research Project Grant 30,000 Rs. From University of Mumbai.
- Honour as a interviewer for '**Erasmus Plus 2018**' program known as Capacity Building in higher Education (CBHE) by European Commission dated on 1st February 2018.

Under Leadership-

- **Reaccredited by National Board of Accreditation (NBA)** for the period of Academic years 2020-2021 to 2022-2023 i.e .upto 30-06-2023 (PHCET).
- Under Graduate Programme in Computer Engineering (First shift) is provisionally accredited by **National Board of Accreditation (NBA)** with effect from 16th Feb 2018 for 3 years (AY 2017-18 to 2019-20 (till date 30-06-2020)) (PHCET).
- Worked as important role in **National Assessment and Accreditation Council (NAAC)** and Institute got **A grade** (PHCET).
- Worked for **Ramkrishna Bajaj National Quality Award (RBNQA)** for Institute (PHCET).

- **Presiding Officer** for Graduate Aptitude Test in Engineering GATE 2021 **IIT Bombay**, GATE 2020 **IIT Bombay** and PGBDA-2019 **IIT Khargpur** (PHCET).
- **Ph. D. Guide** at University of Mumbai and **Ph. D. Thesis** Evaluator and examiner.
- **M. E. Project** guide.
- **Reviewer** for IEEE conference, Journal (Wireless Personal Communication - Springer Journal), Book chapter.
- **Session chair** for IEEE Conference.
- A highly motivated individual and always endeavoring to learn and upgrade the skills.
- Ability to work with limited resources to get an optimum solution.
- Played key role for developing **Project Based Learning** environment at the college.
- A consistent performer throughout with high academic score.
- Having the experience of academic administration and also interested in the same.
- Sincere, Dedicated and Hardworking Individual.

EDUCATIONAL QUALIFICATION:

- Completed **Ph.D.** on 25th September 2015 from Department of Wireless Communication at Faculty of Electrical Engineering and Computing (FER), Zagreb, Europe, under University of Zagreb, Croatia under European Union Scholarship Scheme - Erasmus Mundus Mobility for life, Lot 11.
- **M. Tech. (Computer Engineering)** with distinction (69.40 %) in March 2007 from Dr. Babasaheb Ambedkar Technological University (BATU), Lonere, Government of Maharashtra, India.
- **B.E. (Computer Science & Engineering)** with first class (61.53%) from Shri Guru Gobind Singhaji (S.G.G.S.) College of Engineering & Technology, Nanded, Dr. Babasaheb Ambedkar Marathwada University (BAMU), Aurangabad. (M.S.) in July 1997.

PROFESSIONAL EXPERIENCE: (Total- 25 yrs.)

Working as **Associate Professor** (Approved of University of Mumbai) at Fr. FRCE, Bandra (W), Mumbai from 07th December 2022.

Experience as **Professor and Head in Department of Computer Engineering** at Mahatma Gandhi Mission's College of Engineering and Technology, Navi Mumbai from 15th June 2021 to 6th December 2022.

Experience as a **Professor and Head in Department of Computer Engineering** at Pillai HOC College of Engineering and Technology, Rasayani, Dist. Raigad from 11-03-2016 to 31st March 2021. (Approved of University of Mumbai as Associate Professor, Ref. No. TAAS(CT)/ICD/2017-18/5225, Date: 06-03-2018, with effective from 27-01-2017)

Experience as an **Associate Professor** in Department of Computer Engineering at Sinhgad Institute of Technology, Lonavala, Dist. Pune from 15-11- 2007 to 10-03-2016 (Eight years).

Experience as **Assistant Professor** in Department of Information Technology at Thakur College of Engineering & Technology, Kandivali (E), Mumbai from 01-06-2007 to 14-11-2007.

Seven years and four months experience as a **Lecturer** in Department of Computer Engineering at Ramrao Adik Institute of Technology (R.A.I.T.) Dr. D.Y. Patil Vidyanagar, Nerul, Navi Mumbai (Period 09-02-2000 to 31-05-2007).

Experience as a **Lecturer** in Department of Computer Engineering at Lokmanya Tilak College of Engineering, Koperkhairane, Navi Mumbai for five months (period 25-08-1999 to 08-02-2000).

Experience as a **Lecturer** in Department of Computer Engineering at Indira Gandhi College of Engineering, Koperkhairane, Navi Mumbai for one year and eleven months (period 04-09-1997 to 31-07-1999).

ACHIEVEMENTS:

Selected for Scholarship Based Ph.D. Program, under EC Fellowship at University of Zagreb, Croatia.

PROJECTS UNDERTAKEN:

Ph.D. work at University of Zagreb, Faculty of Electrical Engineering and Computing (FER), Zagreb, Croatia.

Credentials: Received Scholarship from Erasmus Mundus Mobility for Life, Lot 11, for nine months for doing research at University of Zagreb, Faculty of Electrical Engineering and Computing (FER), Zagreb, Croatia (period 01/09/2010 to 31/05/2013)

Research Topic: Secure Routing Protocol from Denial-of-Service Attack in Mobile Ad-hoc Networks

Ph.D.Supervisor:

Prof. Dina Simunic
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University of Zagreb, Zagreb, Croatia, Europe.
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LIST OF PUBLISHED PATENT/PAPERS

PATENT

Dr. Sanjay Waikar, Dr. Nandkishor Karlekar, Dr. Anil Kale, **Dr. Ashok Kanthe**, Dr. Rajesh Kadu “Deep CNN based video object recognition and retrieval in E-learning platform by Holoentropy weighted query specific distance” Page no. 284, Issue No. 49/2021, Date: 03/12/2021, Publication of the Patent Office, India.

JOURNAL PAPERS

- [1] Ankita Mahadik, Rohini Bhosale, **Dr. Ashok Kanthe**, “Efficient Detection of DoS attack using FUZZY ANN ”, International Journal of Research and Analytical Review (IJAR), Volume 7, Issue 2 www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138) June 2020
<http://www.ijrar.org/papers/IJRAR19W1203.pdf>
- [2] Krittika Pradeep Goswami, **Dr. Ashok Kanthe**“EESCT: Enhanced Evolutionary Self Cooperative Trust based Routing Protocol for MANETs”, JASC: Journal of Applied Science and computations, April 2020,ISSN NO: 1076-5131, Volume VII, Issue IV, April/2020
<https://app.box.com/s/v4321qd2sjkuejs586twbgbtmmmpv46hr>
- [3] Neetu Pillai, **Dr. Ashok Kanthe**, Srijita Bhattacharjee “Enriching Fake Colorized Image Detection”, International Journal of Research and Analytical Reviews e ISSN 2348 –1269, Print ISSN 2349-5138, [VOLUME 6 I ISSUE 2 I APRIL – JUNE 2019]
http://ijrar.com/upload_issue/ijrar_issue_20543919.pdf
- [4] Abhijeet More, **Ashok M. Kanthe** “A Novel Approach towards the node isolation Attack in MANET”, International Journal for Management, Technology And Engineering (IJMTE), Journal, ISSN: 2249-7455, Vol. 8, Issue VI, June 2018.
<http://www.ijamtes.org/gallery/37.%20june%20ijmte%20-%20586.pdf>
- [5] Vishvas Kshirsagar, **Ashok M. Kanthe**, Dina Simunic, “Trust Based Detection and Elimination of Packet Drop Attack in Mobile Ad-Hoc Networks”, Wireless Personal Communications, Springer, An International Journal, ISSN: 0929-6212, November 2017, Springer, Wireless Pers Commun. DOI **Scopus Indexed Journal**
<https://doi.org/10.1007/s11277-017-5070-x>
- [6] Kiran J. Patil, **Ashok M. Kanthe**, “Network Lifetime and Energy Maximization using CMAC Protocol Design ”, International Journal of Computer Science and Mobile Computing (IJCSMC), Vol.3, Issue 3, March 2016, pg 452-460, ISSN 2320-088X
<https://ijcsmc.com/docs/papers/March2016/V5I3201646.pdf>
- [7] Sandeep Muktinath Chitalkar, **Ashok M. Kanthe**, “Collaboration between Various Clouds and Client using Proxy Framework”, International Journal of Advanced Trends in Engineering and Technology (IJARTET) Vol.2, Issue 6, June 2015, ISSN:2394-3777.
<https://ijartet.com/V2I6>
- [8] Rajani M. Gadade, **Ashok M. Kanthe**, Dina Simunic, “Attack Detection using Reward Matrix for Mobile Ad-hoc Networks”, International Journal of Advanced Research in Computer Science and Software Engineering. Vol 5, Issue 1, January 2015, ISSN: 2271-128X

- [9] **Ashok M. Kanthe**, Dina Simunic, Ramjee Prasad, “Effects of Propagation Models on AODV in Mobile Ad-Hoc Networks”, Wireless Personal Communications, Springer, An International Journal, ISSN: 0929-6212, Vol. 76, No. 4, June (II) 2014, Springer, **Scopus Indexed Journal**
Wireless Pers Commun. DOI 10.1007/s11277-014-1863-3. **Scopus Indexed Journal**
<https://link.springer.com/article/10.1007/s11277-014-1863-3>
- [10] Bharati Dhote, **Ashok M. Kanthe**, “Secure Approach for Data in Cloud Computing”, International Journal of Computer Applications, ISBN: 0975-8087, Volume 64-No.22, February 2013, Published by Foundation of Computer Science, New York, USA.
- [11] **Ashok M. Kanthe**, Dina Simunic, Ramjee Prasad , “A Mechanism for Gray Hole Attack in Mobile Ad-hoc Networks”, International Journal of Computer Applications, ISBN: 973-93-80870-44-0, Volume 53-No.16, September 2012, Published by Foundation of Computer Science, New York, USA.
<https://pdfs.semanticscholar.org/dc4f/00e1a67f43c94b0775a3a77ca54e11482a34.pdf>
- [12] **Ashok M. Kanthe**, Dina Simunic, Ramjee Prasad, “The impact of Packet Drop Attack and Solution on overall Performance of AODV in Mobile Ad-hoc Networks” International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-2, Issue-2, December 2012.
<https://www.ijrte.org/>
- [13] Deepali Lokare, **A. M. Kanthe**, Dina Simunic, “Cooperative Gray Hole Attack Discovery and Elimination Using Credit Based Technique in MANET”, International Journal of Computer Applications, ISBN: 973-93-80880-45-9, Volume 88-No. 15, February 2014, Published by Foundation of Computer Science, New York, USA.
<https://www.ijcaonline.org/archives/volume88/number15/15427-3850>
- [14] G.M .Gaikwad, **A. M. Kanthe**, M.S. Chaudhari, “Secure Network Monitoring System using Mobile Agent”, International Journal of Next Generation Computer Applications, ISSN: 2319-524X (IJNGCA), Volume 1-Issue. 10, June 2013.
- [15] G.M .Gaikwad, **A. M. Kanthe**, “Comparative Analysis of Techniques to secure Mobile Agent against Malicious Host,” International Journal of Engineering Sciences 6(1), 2013,46-55.
- [16] Pallavi D. Abonkar, **A. M. Kanthe**, “Enriching Forensic Analysis Process for Tempered Data in Database”, International Journal of Computer Science and Information Technologies(IJCSIT),Vol. 3(5), 2012, 5078-5085, ISSN:0975-9646.
<http://ijcsit.com/docs/Volume%203/vol3issue5/ijcsit2012030529.pdf>

INTERNATIONAL CONFERENCES

- [17] **Ashok M. Kanthe**, Dina Simunic, Marijan Djurek, “Denial of Service (DoS) Attacks in Green Mobile Ad-hoc Networks”, MIPRO 2012, IEEE Conference, Proceedings of the 35th International Convention, ISBN: 978-1-4673-2511-6, May 21-25, 2012, Opatija, Croatia.
- <https://ieeexplore.ieee.org/document/6240731/>
- [18] **Ashok M. Kanthe**, Dina Simunic, Ramjee Prasad, “Effects of Malicious Attacks in Mobile Ad-hoc Networks”, 2012 IEEE International Conference on Computational Intelligence and Computing Research, ISBN: 978-1-4673-2481-6, 18-20, December 2012, Coimbatore, India.
- <https://ieeexplore.ieee.org/document/6510172/>
- [19] **Ashok M. Kanthe**, Dina Simunic, Ramjee Prasad, “Comparison of AODV and DSR On-demand Routing Protocols in Mobile Ad-hoc Networks”, 1st International IEEE Conference on Emerging Technology Trends In Electronics, Communication & Networking (ET2ECN-2012), ISBN: 978-14673-1627/12, 19-21, December 2012, SVNIT Surat, India.
- <https://ieeexplore.ieee.org/document/6470118/>
- [20] Deepali Lokare, **A. M. Kanthe**, Dina Simunic, “Credit Based Approach to Mitigate Cooperative Gray Hole Attack” International Conference on Recent Trends in Communication and Computer Networks”, ISBN: 978-81-910691-6-3, 2013, Proceedings of ComNet CIIT & ITC, International Conference on ComNet CIIT & ITC 2013 Proceedings. pp. 250-255, Nov 08-09, 2013, Elsevier, ACEE, Hyderabad, India.
- <https://www.ijcaonline.org/archives/volume88/number15/15427-3850>
- [21] Gayatri Wahane, **Ashok M. Kanthe**, Dina Simunic, “ Technique for Detection of Cooperative Black Hole Attack using True-link in Mobile Ad-hoc Networks”, 37th International Convention on Information and Communication Technology, Electronics and Microelectronics, IEEE, MIPRO 2014, ISSN: 1847-3946, 26th-30th May 2014, Opatia, Croatia.
- <https://ieeexplore.ieee.org/document/6859791/>
- [22] Gayatri Wahane, **Ashok M. Kanthe**, Dina Simunic, “Technique for Detection of Cooperative Black Hole Attack in Mobile Ad-hoc Networks- Survey”, International Conference on Advances in Engineering and Technology-ICEAT, 2014, ISBN: 978-1-63248-028-6, 24-25 May , 2014. Roorkee, India.
- <https://www.semanticscholar.org/paper/Technique-for-Detection-of-Cooperative-Black-Hole-Wahane-Kanthe/7a2576b04e102f9f3283ac7aef9a07678b45696b>
- [23] Parineet D. Shukla, **Ashok M. Kanthe**, Dina Simunic, “An Analytical Approach for Detection of Gray Hole Attack in Mobile Ad-hoc Networks (MANET)”, 2014 IEEE International Conference on Computational Intelligence and Computing Research (ICIC), ISBN: 978-1-4799-3975-6.
- <https://ieeexplore.ieee.org/document/7238296/>

- [24] Vishvas Kshirsagar, **Ashok M. Kanthe**, Dina Simunic, “Analytical Approach towards Packet Drop Attack in Mobile Ad-hoc Networks”, 2014 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), ISBN: 978-1-4799-3975-6.
- <https://ieeexplore.ieee.org/document/7238292/>
- [25] Gayatri Wahane, **Ashok M. Kanthe**, Dina Simunic, “Detection of Cooperative Black Hole Attack using Crosschecking with TrueLink in MANET ”, September 2015, DOI:10.1109/ICCIC.2014.7238331
- https://www.researchgate.net/publication/285602257_Detection_of_cooperative_black_hole_attack_using_crosschecking_with_truelink_in_MANET
- [26] Yugandhara S. Patil, **Ashok M. Kanthe**, “Gray Hole attack detection using false reply count and TrueLink based path authentication in MANET ”, Conference: 2016 International Conference on Computing Communication Control and automation (ICCUBEA), [2016 International Conference](#)
- <https://ieeexplore.ieee.org/document/7860079>
- [27] Yugandhara S. Patil, **Ashok M. Kanthe**, “Survey: Comparison of mechanisms against denial of service attack in Mobile Ad-Hoc Networks”, Conference: 2015 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), 2015 IEEE International Confer...
- <https://ieeexplore.ieee.org/document/7435679>

Personal Details

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