Dr. Ashok Kanthe

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 (Sept 2010-Sept 2025).

- Received Advanced ATAL FDP Funding **Rs. 6 Lakh (AICTE)** as coordinator of FDP on **Navigating the Future of Decentralized Advanced Blockchain Technologies** dated 09th Dec-21th December 2024.

- Received ATAL FDP Funding **Rs. 3.5 Lakh (AICTE)** as coordinator of FDP on **Blockchain Technology: Its Architecture and Application** dated 04th Dec-09th December 2023.

- **College Single Point of Contact (College SPOC)** of Smart India Hackathon 2024 (03 Teams winner at National level competition), Smart India Hackathon 2023, KAVACH 2023.

- **Ph. D. Guide** at University of Mumbai (Pursuing 02 Research students from the Research Center FRCRCE, Mumbai) and **Ph. D. Thesis** Evaluator and examiner.

- **Appointment as nominees on Statutory Bodies of Autonomous College** nominated by Hon'ble Vice-Chancellor, University of Mumbai for Syllabus Revision Committee at Thakur College of Engineering & Technology, Mumbai.

- **Minor Research Project** Grant 30,000 Rs. from University of Mumbai (27th March 2019).

- Reviewer and session chair for IEEE and Springer Conferences.
- Has a teacher in the area of Computer Network, Mobile Computing, Blockchain Technology, Artificial Intelligence, Machine Learning, Adhoc Wireless Networks, Cyber Security and Laws.
- Contributed in College as Dean (R & D) for NBA, NAAC and Autonomous status.

- **Local Inquiry Committee (LIC)** member of 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).
- 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- 27 yrs.)

Working as **Dean (Research & Development)** and **Associate Professor (Approved of University of Mumbai, Ref No. CTAU/ICD 2022-23/16099 Date-29th December 2023)** at Fr. Conceicao Rodrigues College of Engineering (Fr.CRCE), Bandra (W), Mumbai from 07th December 2022.

Experience as **Professor and Head in Department of Computer** Engineering at Mahtma 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 May 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)

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]   Pratush Urade, Dr**.** Ashok Kanthe, "Analyzing the Co-Existence Among Multiple Access Techniques in Wireless Networks", Panamericam Mathematical Journal, ISSN: 1064-9735, **Scopus Indexed Journal Q4-Accepted and publishing soon**

https://internationalpubls.com/index.php/pmj

[2]   Anita Mhatre, Ashok Kanthe, "A Novel Framework For Adaptation Routing In Dynamic Network Using Advance Machine Learning and Deep Learning Techniques", Panamericam Mathematical Journal, ISSN: 1064-9735, **Scopus Indexed Journal Q4- Accepted and publishing soon**

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[3]   Dr. Swapnali Makdey, Dr. Ashok Kanthe, Dr. Ninad More, "A Novel Neural-Based Design of Graphene and Molybdenum Disulfide Magnetic Tunnel Junction", Journal of Information Systems Engineering and Management, 2025, vol. 10(11s), e-ISSN:2468-4376, **Scopus Indexed Journal**

https://www.jisem-journal.com/index.php/journal/article/view/1668

[4]   Dr. Nilesh P. Dr. Sable, Dr.Kirti H. Wanjale, Dr. Swapnali Makdey, Dr. Ketan J. Raut, Dr. Ashok Kanthe, Dr. Varsha Jadhav, "Efficient Component Packing with Algorithmic Optimization", Journal of Information Systems Engineering and Management, 2025, vol. 10(9s), e-ISSN:2468-4376, **Scopus Indexed Journal**

https://www.jisem-journal.com/index.php/journal/article/view/1240

[5]   Dr. Ninad More, Dr. Ashok Kanthe, Dr. Jyoti Gangane, Dr. Puja Padiya, Dr. Sumitra T.V., "Automatic Urban Change Detection using LANDSAT-8 Satellite Images and Deep Learning Techniques in Australian Capital Territory (ACT), Australia", Communication on Applied Nonlinear Analysis, Vol. 32, No. 3 s(2025). **Scopus Indexed Journal**

https://internationalpubls.com/index.php/cana/article/view/2726

[6]   Dr. Ashok Kanthe, Dr. Ninad More, Dr. Puja Padiya, Dr. Nilesh Marathe, Prof. Pratap Nair, Dr. Hasib Shaikh, "A New Design Framework for Public Health-Ration Distribution by using Block chain Technology in India". SEEJPH Volume XXV, S2, 2024, ISSN: 2197-5248; P   osted:05-12-2024. **Scopus Indexed Journal**

https://www.seejph.com/index.php/seejph/article/view/3177

[7]   **Dr. Ashok Kanthe**, Dr. Vijay Shelake, Ankita Amburle, "Guardian Sheild- safeguarding patient data integrity in healthcare systems", 27th International Symposium on Wireless Personal Multimedia Communications (WPMC2024), IEEE Conference, "Secure 6G – AI Nexus: Where Technology Meets Humanity" 17-20 November 2024 Sharda University, Greater Noida (NCR-Delhi), India-**presented and waited for scopus journal publication.**

[8]   Dr. Ninad More, Dr. Ashok Kanthe, Dr. Jyoti Gangane, Dr. Puja Padiya, Dr. Sumitra T.V., "Complete Study of Remote Sensing- Sentinel-2 Data for Land Use / Land Cover (LULC) Analysis", Panamericam Mathematical Journal, ISSN: 1064-9735, Vol 34, No. 4, pp-416-433 **Scopus Indexed Journal Q4**

https://internationalpubls.com/index.php/pmj/article/view/2311

[9]   Pankaj Chandare, Jagnaath Nalawade, Ashok Kanthe, Jyoti Yogesh Deshmukh, Bhagyashree Shendkar, Parikshit Mahalle, "Industry 5.0 for Society 5.0 A new transformation", Panamericam Mathematical Journal, ISSN: 1064-9735, **Scopus Indexed Journal Q4**
https://internationalpubls.com/index.php/pmj/article/view/2188

[10]   Dr. Ninad More, Dr. Ankush Pawar, Dr. Ashok Kanthe, Dr. Jyoti Gangane, Dr. Puja Padiya, "Automatic Detection of Flood Extent and Volume Estimation from Sentinel-2 Satellite Images using Deep Learning Techniques in India", Panamericam Mathematical Journal, ISSN: 1064-9735, Vol 34, No. 4, pp-416-433 **Scopus Indexed Journal Q4**

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[11]   Dr. Ninad More, Dr. Jyoti Gangane, Dr. Ashok Mallayya Kanthe, Dr. Himani Deshpande, Dr. Puja Padiya, "A Novel Method for Inshore Ship Detection in Remote Sensing Images using FFT via Pose Estimation", Panamericam Mathematical Journal, ISSN: 1064-9735, Vol 34, No. 2, pp-208-235 **Scopus Indexed Journal Q4**

https://doi.org/10.52783/pmj.v34.i2.1102
https://www.internationalpubls.com/index.php/pmj/article/view/1102

[12]   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

[13]   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

[14]   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

[15]   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   **UGC Approved Journal**

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http://ijrar.com/upload_issue/ijrar_issue_20543919.pdf

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In MOBILE AD-HOC NETWORK (MANET)", Journal of Multidisciplinary Engineering Science and   Technology (JMEST),ISSN: 3159-0040, Vol. 2 Issue 7, July - 2015.

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[23]   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.

[24]   **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.

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[29] 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

[30] Ankita Amburle; Vijay Shelake; **Ashok Kanthe**; Aditi Malkar, "Aspect Based Call Analysis of Marathi Regional Language in India Using Machine Learning Approach" 2024 International Conference on Innovation and Novelty in Engineering and Technology (INNOVA), IEEE 2024 International Conference. DOI: 10.1109/INNOVA63080.2024.10847022, Date of Conference: 20-21 December 2024

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[33]   **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.

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[34]   Deepali Lokare, **A. M. Kanthe**, Dina Simunic, "Credit Based Approch 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

[35]   Gayatri Wahane, **Ashok M. Kanthe**, Dina Simunic, " Technique for Detection of Cooperative Black Hole Attack using True-link in Mobile Ad-hoc Nettworks", 37th International Convention on Information and Communication Technology, Electronics and Microelectronic, IEEE, MIPRO 2014, ISSN: 1847-3946, 26th-30th May 2014, Opatia, Croatia.

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[36]   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

[37]   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 (ICCIC), ISBN: 978-1-4799-3975-6.

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https://ieeexplore.ieee.org/document/7238292/

[39]   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

[40]   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

[41]   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 Confererence. https://ieeexplore.ieee.org/document/7435679

Details about Membership/IDs

Linked In   : https://www.linkedin.com/in/ashok-kanthe-81347644/
Research Gate : https://www.researchgate.net/profile/Ashok_Kanthe
Google Scholar: https://scholar.google.co.in/citations?hl=en&user=a8k30HMAAAAJ
Vidwan Profile: https://vidwan.inflibnet.ac.in/profile/323819

Computer Society of India(CSI) Life Member: 00175694

Indian Society for Technical Education (ISTE) Life Member: ISTE LM 57044 MAHARASHTRA