# Faculty Profile

Name          Dr .Emmanuel Mark

Designation   Professor

Department    IT

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## Educational Qualifications

| Degree | University/Institution | Year of Passing |
|---|---|---|
| Ph.D. | Dr. MGR University, Chennai | 2012 |
| M.Tech. (Computer Sc & Engg) | VTU, Belgaum | 2003 |
| B.E. (Computer Sc & Engg) | Gulbarga University | 1997 |

## Professional Experience

| Sr. No. | Designation & Institute | Duration |
|---|---|---|
| 1 | Professor, PICT Pune | 2013 - Present |
| 2 | Assistant Professor, PICT Pune | July 2006 to Dec 2012 work done as **a** Associate/Assistant Professor in Information Technology, Department. : 6 Years, 6 Months |
| 3 | Assistant Professor, PICT Pune | Jan 2006 to June 2006 work done as a Assistant Professor in Computer Engineering Department: 6 Months |
| 4 | Lecturer, PICT Pune | June 2003 to Jan 2006 work done as a Lecturer in Computer Engineering Department: 02 Year 6 Months. |

## Research Publications

| Sr. No. | Title | Publication/Conference |
|---|---|---|
| 1 | Secured Sharing of Personal Health Records in Cloud with Optimised Signcryption: ImprovedShark Smell Optimisation for Key Generation | Published: Oct 2024 in Journal of Information and Knowledge Management DOI: 10.1142/S0219649224500977Accession Number: **WOS:**001326610100001(**Web of Science)** |
| 2 | Efficient Cryptographic Protocol Design for Secure Sharing of Personal Health Records in theCloud | Published: Jul 2022 in International Journal of Information Technologies and Systems Approach (IJITSA)DOI: 10.4018/IJITSA.304810Accession Number: **WOS**:001228468900001(**Web of Science)** |
| 3 | Novel Approach for Improving Security and Confidentiality of PHR in Cloud Using Public KeyEncryption | Published: Jul 2022 in NETWORKING COMMUNICATION AND DATA KNOWLEDGE ENGINEERING, VOL1DOI: 10.1007/978-981-19-1844-5_27(**Web of Science)** |
| 4 | Optimized Decision tree rules using divergence based grey wolf optimization for big dataclassification in health care | Published: Jun 2022 in Evolutionary IntelligenceDOI: 10.1007/S12065-019-00267-WAccession Number: **WOS**:000807655400012(**Web of Science)** |
| 5 | Modified Elliptic Curve Cryptography Model for Personal Health Record Sharing in Cloud withTrust Valuation | Published: Jan 2022 in International Journal of Computer Science and Network SecurityDOI: 10.22937/IJCSNS.2022.22.1.78Accession Number: **WOS**:000760663000003(**Web of Science)** |
| 6 | Challenges in Multilingual and Mixed Script Sentiment Analysis | Published: Apr 2021 in International Conference for Convergence in Technology (I2CT)DOI: 10.1109/I2CT51068.2021.9418087Accession Number: WOS:000679383900184(**Web of Science)** |
| 7 | Hybrid Algorithm on Semantic Web Crawler for Search Engine to Improve Memory Space andTime | Published: Apr 2021 in International Conference for Convergence in Technology (I2CT)DOI: 10.1109/I2CT51068.2021.9418139Accession Number: **WOS**:000679383900235(**Web of Science)** |
| 8 | Context Dependency with User Action in Recommendation System | 5 th INTERNATIONAL CONFERENCE ON SMART COMPUTING AND INFORMATICS (SCI-2021) 17th – 18th September, 2021, (**Scopus**) |

| 9 | Novel Approach for improving Security and Confidentiality of PHR in Cloud using public key encryption | 4 th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2022), (**Springer**) |
|---|---|---|
| 10 | Hybrid Corrective Critic Neural Network for Sentiment Classification in Community Media | 3rd International conference on Electronics, Communication and Aerospace Technology (ICECA), pp-1236-1241(**IEEE**) |
| 11 | Gradient Descent based Support Vector Machine Approach for Sentiment Classification | INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING & INFORMATION TECHNOLOGY (IACIT - 2020), Bangalore, India, 2020(**Scopus**) |
| 12 | Pre Filtering with Rule Mining for Context Based Recommendation System: | *Machine Learning Applications: Emerging Trends*, edited by Rik Das, Siddhartha Bhattacharyya and Sudarshan Nandy, Berlin, Boston: De Gruyter, 2020, pp. 91 - 114. https://doi.org/10.1515/9783110610987-007(**Web of Science**) |
| 13 | Application of Pattern Recognition in Medical Imaging and Computational Analytics for Cancer Detection, | CSI Communications, Vol 41, Issue No 12, March 2018. |
| 14 | Induction of decision trees based on gray wolf optimizer for heart disease classification | International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-8 Issue-4S2 March, 2019(**Scopus**) |
| 15 | Optimized Decision tree rules using divergence based grey wolf optimization for big data classification in health care | international Journal of Innovative Technology and Exploring Engineering (IJITEE). 2019(**Springer**) |

## Books Published:Nil

| Sr. No. | Title | Publisher & Year |
|---|---|---|
| 1 | | |

## Conferences / Seminars Attended

| Sr. No. | Conference/Seminar | Year |
|---|---|---|
| 1 | International Conference for Convergence in Technology (I2CT) | 2021 |
| 2 | 1. iPGCON Conference Proceedings | BoS-IT, SPPU&PICT, 2013 |

## Awards & Recognitions

| Sr. No. | Award/Recognition | Year |
|---------|-------------------|------|
| 1 | Best Paper Award at INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING & INFORMATION TECHNOLOGY (IACIT - 2020), Bangalore, India, 2020 | 2022 |
| 2 | Best Faculty Award, Knowledge Research Academy, Coimbatore | 2024 |

## Areas of Interest

| Sr. No. | Area |
|---------|------|
| 1 | Artificial Intelligence |
| 2 | Data Mining |
| 3 | Cloud Computing |
| 4 | Machine Learning |