

Name of Faculty Dr. J. MANORANJINI
 Designation Associate Professor
 Nature of Job/Appointment Regular (04/09/2023)



Date of Joining 04/09/2023

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Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE)	Awarded
PG	M. Tech. (CSE)	First Class with Distinction
UG	B. E. (CSE)	First Class with Distinction

Work Experience

Teaching	15 Years
Research	08 Years
Industry	1 Year
Others	----

Area of Specialization Python, Networks, Network Security, Machine Learning, Cyber Security, Cybercrime Investigation.

Professional Memberships IAENG 152256

- Responsibilities held at Institution Level
1. Anti-Ragging Duties at CBIT Hyderabad.
 2. IQAC Coordinator, at SVIT Hyderabad.
 3. Dean Academics, at SVIT Hyderabad.
 4. Head of Department, Department of CSE, at SVIT Hyderabad.
 5. Head R&D, at SVIT Hyderabad.
 6. Online Monitoring Incharge at SVIT Hyderabad.
- Responsibilities held at Department Level
1. Attendance Incharge at CBIT Hyderabad
 2. Mentoring Incharge at CBIT Hyderabad
 3. Criteria 2 Incharge in NAAC at SVIT Hyderabad.
 4. NBA criteria 5 Incharge at TEC, Chennai.
 5. Incharge HOD Department of CSE, at TEC, Chennai.

Research Guidance -----

Awards Received -----

Courses Handled at Under Graduate / Post Graduate Level.

UG Level: Machine Learning, Python, Computer Networks, Cryptography & Network Security, Software Testing, Mobile Computing, Java , Object Oriented Programming using Java, C, C++.

PG Level: Adhoc Networks, Advanced Database, Distributed Networks, Software Quality Assurance.

No. of Papers Published

National Journals –02	International Journals – 06
National Conference – 04	International Conference – 03

- Projects Carried out
- UG Projects: 80
PG Projects:05
1. “A system and Method for email feedback in a trusted network using Non-Deterministic methods & tools”, File No: 202141031755, Published on 16/7/2021, Page 31830.
 2. “Design & Implementation of Efficient Algorithms for content based image retrieval using local patterns based feature descriptors”, File No: 202141023192A Published on 11/06/2021,Page 26328.
- Patents
1. Reviewer for 2nd International Conference on “Innovative trends in Information Technology-ICITIIT21-IIIT.
 2. Evaluator for Toycathon-2021 – One of the 5 member panel of judges - organized by “Ministry of Educations Innovation Cell”.
 3. Android App Development for result analysis in Tagore Engg College, Chennai.
- Technology Transfer

- Invited Speaker
1. Guest lecture in the topic “Design Thinking in Education”, on February 27th,2023 , at CMR Technical Campus,Hyderabad.
 2. Technical seminar in the topic “Ethical Hacking & Cyber Tools”, on 11th December, 2021 at Malla Reddy Institute of

No. of Books/Chapter Published with details

- Technology,Hyderabad.
3. Guest lecture in the topic “Exploring Ethical Hacking Tools” on July 3rd 2021 at Vignan Institute of Technology & Science, Hyderabad
 4. Guest lecture in the topic “Enhancing the Effectiveness of Mendeley towards career growth and funding opportunities for academicians” on 2nd May 2020 at Santhiram Engineering College, Nandyal.
1. Machine Learning Techniques, ISBN:13: 978-93-5577-169-8
 2. Cyber Forensics, ISBN:13:978-93-5577-168-1
 3. Computer Networks, ISBN:13:978-93-91405-07-6
 4. Cloud Computing, ISBN:13:978-93-89970-85-2
 5. Cases on Edge Computing & Analytics Chapter : Data Security & Privacy-Preserving in Edge Computing: Cryptography & Trust management systems. ISBN: 13:9781799885757.

Programs Attended:

1.FDP

1. Ethical Hacking by NPTEL, on Jan-Apr 2022.
2. Orientation Training Program for Mentors, by AICTE on 5th to 9th July 2021.
3. Artificial Intelligence and its applications,conducted by AICTE Training And Learning (ATAL) Academy, Govt College of Engineering, Nagpur, on 7th to 11th June 2021.
4. Integrated Data Analytics-the tools and applications around Industry Verticals, by AICTE Training And Learning (ATAL) Academy, Holy Cross College, Tiruchirapalli, on 5th to 9th July 2021.
5. Artificial Intelligence, by AICTE Training And Learning (ATAL) Academy, NIT Puducherry, on 21 & 22 Sept 2020.
6. Cyber Security, by AICTE Training And Learning (ATAL) Academy at Dr Harisingh Gour University Sagar (MP) on 18th to 22nd May 2020.
7. Machine Learning using Python, VELS Institute of Science, Technology & Advanced Studies (VISTAS), TamilNadu on 4th May 2020.
8. Advances In Computational Intelligence & Machine Learning Applications, by Amity University Uttar Pradesh, Noida on 4th to 8th May 2020.
9. Robotics Process Automation, by Jepiaar Institute of Technology, Chennai on 4th to 6th May 2020.
10. Machine Learning, by Santhiram Engineering College, Nandyal, on 2nd May 2020.
11. Citing References using Mendeley Reference Manager, by Organiser Dr.T Velmurugan on 27th April 2020.
12. Cyber Attacks, by CMR Technical Campus,Hyderabad, on 19th April 2020.
13. Cyber Forensics, by Kalasalingam Academy of Research and Education on 18th April 2020.
14. Operating Systems, by College of Engineering, Anna University, Tamilnadu, on 9th to 15th Dec 2013.
15. Mathematical Essentials for Cryptography, by Dept of IT, Anna University, TamilNadu, on 11th to 12th Sept 2013.

2.Workshop

1. Inculcating Universal Human Values in Technical Education, by All India Council for Technical Education (AICTE) on 18th to 22nd July 2021.
2. Mathematical Essentials for Cryptography, by Dept of IT, Anna University,TamilNadu, on 11th to 12th Sept 2013.
3. Network Simulator, by Dept Computer Technology, Anna University, TamilNadu on 29th to 30th Jan 2013.
4. Java 2 Essentials for Engineers, by Pantech ProEd Pvt Ltd, TamilNadu, on 18th Feb 2013.

3.Course

1. Python for Everybody, by University of Michigan, with coursera, on July 2023.
2. Machine Learning by TATA Steel on 16th May 2021.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).

- Ethical Hacking & Bug Bounty by St Josephs college of Engineering, Chennai on 23rd & 24th July 2020.
- Recent trends in Information, Computing, Communication & Teaching Methodology Competency by Sri Sai Ram Engineering College on 4th to 17th May 2020.

4. Webinar

- Enhancing Research Effectiveness using Scopus, Sciencedirect and Mendeley by Kurukshetra University in association with Elsevier under the aegis of PMMMMNTT, MHRD, Govt of India on 1st May 2020.

5. Technical Quiz

- National level technical quiz on Hardware, Networking, Excel & Word on 24th May, conducted by Dept of CSE in Padmabhushan Vasantdada Patil Pratishthan's College of Engineering.

Programs Conducted

1. National Conference

- Conducted AICTE sponsored National Level E Conference under GOC scheme NECCC-21 at Swami Vivekananda Institute of Technology, Telangana on 13th & 14th 2021.

2. FDP

- Exploring the Essential Technologies in Cyber Security, by Swami Vivekananda Institute of Technology, Telangana, on 6th & 7th July 2020.
- Cyber Forensics, by Swami Vivekananda Institute of Technology, Telangana, on 21st May 2020.

3. Workshop

- Workshop on Internet of things by Swami Vivekananda Institute of Technology, Telangana on 24/03/2022.
- Workshop on Software Engineering with UML by Swami Vivekananda Institute of Technology, Telangana on 24/11/2021.
- Workshop on Learn Pthon with google colab by Swami Vivekananda Institute of Technology, Telangana on 30/10/2021.
- Workshop on CO, by Swami Vivekananda Institute of Technology, Telangana on 06/01/2022.

4. Tech Fest

- Technical fest (Euphoria-2k21) UML by Swami Vivekananda Institute of Technology, Telangana on 29/11/2021.

5. Webinar

- Introduction to Artificial Intelligence, by Swami Vivekananda Institute of Technology, Telangana on 7th May 2020.

Details of Journal Publications/
Conferences (National and
International)

International Journal

- "An Instinctive Tutee Decision Perceptive Online Environment Design Using Modern Machine Learning Algorithms", International Journal of Research in Management & Social Science, 2322-0899, Vol 10, Issue 3(III) July –September 2022, indexed at Index Copernicus, ISRA, Citefactor, Research Gate, Advanced Science Index, Google Scholar, Scribd, I2OR, pages 14-16.
- "Automatic Pest Detector in Agricultural Farms using Acoustic and Image Wireless Sensor Network

Technology”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Blueeyes publications, Volume-9 Issue-4S2, March2020.

3. “Improved QoS & Avoidance of Blackhole attacks in Manet using Trust Detection Framework”, Automatika, Taylor & Francis, Vol.602019. <https://doi.org/10.1080/00051144.2019.1576965>,2019.
4. “Hybrid Trust Recovery Detector Detecting Black Holes”. Journal of Computational and Theoretical Nanoscience, DOI: <https://doi.org/10.1166/jctn.2016.5454>, American Scientific Publishers, Volume 13 No.8, August 2016, pp. 5569-5575(7).
5. “Hybrid Detector for Detection of Black Holes in Manets”, IERI Procedia, Elsevier, organised by International Conference on Electronic Engineering and Computer Science (EECS 2013) in Beijing, China.
6. “Automatic Hybrid Detector for Spontaneous Detection of Malicious nodes in MANET’s”, International Journal of Emerging Technology and Advanced Engineering, Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 3, March 2013).
7. “Dedicated trustee detector of black holes in Manets”, ISSN 1549-3636, doi : 10.3844/jcssp.2014.1608.1616 Volume 10, Issue 9 . Journal of Computer science, Science publications, pages 1608-1616.
8. “Enhancing ZRP to Detect Black Hole Attack in MANET using Fuzzy Logic”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.42, 2015. pages 14-16.

International /National Conferences

1. “Covid Prognosis Through Chest X-Rays and Deep Learning”, International Journal of Computers, Electrical and Advanced Communication Engineering [IJCEACE], National E-Conference on Communication and Computing (NECCC-2021), vol 10, Issue 20, PP:39-45.
2. “BigData Analytics Trends and Technologies”, International Journal of Computers, Electrical and Advanced Communication Engineering [IJCEACE], National E-Conference on Communication and Computing (NECCC-2021), vol 10, Issue 20, PP:20-23.
3. “Supply chain management an innovative application of edge computing”, ISBN: 978-81- 937760-7-0, International Conference on Advances in IoT, High Performance and Edge Computing, Global Technology Forum 2020, pages 214-217. ICT ACADEMY.
4. “E-Random S-Random for Divulging of Data Detection Using Identification Allocation and optimization strategies”, International Conference on Computing and Control Engineering” ICCCE- 2012, organised by departments of Computer Science and Engineering, Information technology and Electronics and Instrumentation Engineering at Dr.MGR Educational and Research Institute University, 12th and 13th April 2012.
5. “A New Approach in Developing a Multicast protocol for effective Multicasting in MANET”, International Conference on E-Governance and Cloud Computing Services, Department of Computer Applications conducted by Dr.MGR Educational and Research Institute, 17th & 18th of October 2012.
6. “Automatic detection and removal of disfluencies from Spontaneous Speech”, CSI Digital Library.
7. “Hybrid Trusted Recovery with Secure Checkpointing Detector in Manets, Tga journal, 2018.

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