



Dr. C. Ramesh Kumar Reddy

Professor & Head

Education Qualifications:
Specialization:

Doctor of Philosophy (Computer Science)
Software Engineering



ADDRESS:

- D – Block -Room No 104

JNTUH ID:

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crkreddy_cse@mgit.ac.in

DATE OF JOINING:

01-08-2007

EXPERIENCE - 36 Years

- Teaching -30
- Research -18
- Industry -6
-

Research Guidance

- Awarded Ph.D : 13
- Pursuing Ph.D : 02

SUMMARY:

- Publications - 47
- Conferences - 31
- Patents – 5
- Books/Book Chapters – 5

EVENTS:

- Organized - 17
- Attended - 09

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- <https://twitter.com/MGIThyderabad>

Membership of Professional Bodies:

1. ACM
2. CSI

Responsibilities Held at Institution Level:

1. Head of the CSE Department, Governing Body Member, Disciplinary Committee Member, Member of Academic Council, Vice Chair UHV Cell.

Responsibilities Held at Department Level:

1. Head of Department & Professor, Department BoS Chair, Member R&D Team

Research Guidance:

Dr. C.R.K. Reddy has guided 13 students to obtain Ph.D. degrees.

1. **Mr.Amjan Shaik (0703PH0665)** has been awarded the degree of Doctor of Philosophy for the thesis titled “**Statistic Measuring Approaches for Coupling and Cohesion to Forecast Defect Proneness in Object Oriented Systems**” from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
2. **Mr. M. Swamy Das (0803PH0643)** has been awarded the degree of Doctor of Philosophy for the thesis titled “**Optical Character Recognition System for Multi-Script Documents**” from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
3. **Ms.K. PrasannaLaxmi (0903PH0674)** has been awarded the degree of Doctor of Philosophy for the thesis titled “**Associative Classification Techniques for Designing Efficient Algorithms for Data Stream Mining**” from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
4. **Mr.Anil Kumar (0703PH0667)** has been awarded the degree of Doctor of Philosophy for the thesis titled “**Code Clone Detection wit Refracting using Textual and Metrics Analysis in Software**” from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
5. **Ms.E.Padmalaatha (1103PH0626)** has been awarded the degree of Doctor of Philosophy for the thesis titled “**Mining Efficient Learning Approaches in Real Time Data Streams**” from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
6. **Mr.L.Raghavendra Raju (01121843)** has been awarded the degree of Doctor of Philosophy for the thesis titled “**An Efficient and Secure Quality of Services in Mobile Adhoc Network**” from Osmania University Hyderabad under the guidance of Dr. CRK Reddy.



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- [https://twitter.com/MGITHyderabad](https://twitter.com/MGIThyderabad)

7. **Mr.M S V Sashi Kumar (01121847PP)** has been awarded the degree of Doctor of Philosophy for the thesis titled **“Self-Configuring Security Architecture to Detect and Mitigate Insider Threats”** from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
8. **Mr.N Krishna Chythanya (010505574015)** has been awarded the degree of Doctor of Philosophy for the thesis titled **“Reusable Component Retrieval From Optimized Repository Using Neura Networks”** from Osmania University Hyderabad under the guidance of Dr. CRK Reddy.
9. **Mr.D.Jayaram (0903PH0613)** has been awarded the degree of Doctor of Philosophy for the thesis titled **“Text Extraction and Recognition Using Deep Learning Architectures”** from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
10. **Mr.Ramesh Ponnala (1005-2017-3009)** has been awarded the degree of Doctor of Philosophy for the thesis titled **“Hybrid Model for Software Defect Prediction : Addressing Class Imbalance and Feature Reduction with Machine Learning Techniques”** from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
11. **Ms.Nazia Tabassum (1005-2017-3048)** has been awarded the degree of Doctor of Philosophy for the thesis titled **“QOS Aware Dissemination and Resource Management in Internet of Vehicles using Edge and Cloud Computing”** from Jawaharlal Nehru Technological University Hyderabad under the guidance of Dr. CRK Reddy.
12. **Ms.Roshini L (1005-2017-3016)** has been awarded the degree of Doctor of Philosophy for the thesis titled **“Anomaly Detection using NN-LSTM Auto encoders to Improve Purity and Quality of Water by Parameter Suggestions”** from Osmania University, Hyderabad under the guidance of Dr. CRK Reddy.
13. **Ms.Swathi Agarwal (1005-2018-3033)** has been awarded the degree of Doctor of Philosophy for the thesis titled **“A Robust and Efficient Clustering Algorithm for Streaming Data”** from Osmania University, Hyderabad under the guidance of Dr. CRK Reddy.

Courses Handled at Under Graduate /Post Graduate Level:

1. **UG:** Compiler Design, Formal Languages and Automata Theory
Artificial Intelligence, Design and Analysis of Algorithms, Neural Networks, Programming for Problem Solving, Computer Organization, Data Structures, Discrete Mathematics, Operating System.
- **PG:** Advanced Data Structures, Artificial Intelligence & Neural Networks

Publications:

1. Swathi Agarwal, C. R. K. Reddy, " A smart intelligent approach based on hybrid group search and pelican optimization algorithm for data stream clustering", Published online: 30 December 2023 Knowledge and Information Systems (2024) 66:2467–2500, <https://doi.org/10.1007/s10115-023-02002>.
2. Swathi Agarwal, Dr. C. R. K. Reddy, " A Thorough Study Of Nature Inspired Optimization Algorithms To Handle Streaming Data", published by Journal of Emerging Technologies and Innovative Research (JETIR) January 2024, Volume 11, Issue 1,ISSN-2349-5162.
3. Swathi Agarwal, Dr. C. R. K. Reddy, " A Comprehensive Study of Clustering Algorithms in Data Stream", published by International Journal of Engineering



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Research & Technology (IJERT), ISSN: 2278-0181, Vol. 9 Issue 10, October-2020.

4. L Roshini and C.R.K. Reddy, "Access Quality of Water Parameters by Suggestion and Correlating of Water Parameters", Published in Easy Chair Preprint 9868, version 2, July 10, 2023.
5. Roshini L, Dr. C.R.K. Reddy "Analyze Predict and Classify Water Quality and Usage of Water using Machine Learning Techniques", Published in international Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169 Volume: 11 Issue: 9, Article Received: 05 July 2023 Revised: 25 August 2023 Accepted: 15 September 2023.
6. Roshini L, Dr. C.R.K. Reddy, "Improve the purity and quality of the water using the anomaly detection & correlations among the feature variables" Published in ZKG International, ISSN No. 2366-1313, Volume-III, Issue-I, 2003.
7. Roshini L, Dr. C.R.K. Reddy, "Development of Anomaly Detection Model for Water Quality by Using Machine Learning Techniques" Published in Journal of Emerging Technologies and Innovative Research (JETIR), © 2023 JETIR March 2023, Volume 10, Issue 3 www.jetir.org (ISSN-2349-5162)
8. Ramesh Ponnala1, C R K Reddy2, "RESTful Service based Software Defect Prediction using ML Algorithms" published by Indian Journal of Science and Technology 16(34):2789-2795. <https://doi.org/10.17485/IJST/v16i34.1376>, ISSN :Print: 0974-6846, Electronic: 0974-5645.
9. Nazia Tabassum 1, Dr.C.R.K.Reddy, "Quality of Service Aware Data Dissemination and Resource Management in Internet of Vehicle using Fog and Cloud Computing" Published by Test Engineering & Management, Publication Issue :January-February 2020, ISSN : 0193-4120, Volume 82, Page No.: 13073-13083.
10. Nazia Tabassum a, C.R.K. Reddy b, "Review on QoS and security challenges associated with the internet of vehicles in cloud computing" Elsevier Measurement: Sensors Volume 27, June 2023, 100562, <https://doi.org/10.1016/j.measen.2022.100562>
11. Nazia Tabassum 1, C. R. K. Reddy 2, "Edge-CloudBlock-6G: Adopting AI Technology for Intelligent Spectrum Access and Secure Hybrid Beam forming in mmWave Massive MIMO Assisted Cognitive Radio based IoCV Environment", International journal of Intelligent Systems and Applications in Engineering, ISSN 2147-6799, Vol. 12 No. 22s (2024).
12. N Krishna Chythanya Nagaraju* | Cheruku Ramesh Kumar Reddy "Novel Optimized Reusable Component Repository Using Neural Networks" International Information Engineering and Technology Association Page: 79-86, DOI: <https://doi.org/10.18280/ria.360109>, Available online: 28 February 2022
13. Krishna Chythanya Nagaraju 1*, Cherku Ramesh Kumar Reddy2 "Reusable Component Retrieval from a Large Repository Using Word2Vec with Continuous Bag of Words", International Information Engineering and Technology, Association Page: 453-460 DOI: <https://doi.org/10.18280/isi.260504>, available online: 31 October 2021.
14. M. V. L. N. Venugopal, Dr. C. R. K. Reddy, "Serverless Through Cloud Native Architecture", International Journal Of Engineering Research & Technology (IJERT), Volume 10, Issue 02, February 2021.
15. MSV Sashi Kumar, Dr. CRK Reddy, "An Analysis of the Rising Concerns of an Insider Threat for Sustainable IT Development", Journal of Green Engineering, Pages: 6595–6612, ISSN: 1904-4720 (Print).
16. Ramesh Ponnala, C.R.K.Reddy, "Software Defect Prediction using Machine Learning Algorithms: Current State of the Art, Solid State Technology", Volume: 64 Issue: 2, Publication Year: 2021, ISSN: 0038-111X
17. S.Ramana, N Bhaskar, C.R.K.Reddy, M.V.Ramana Murthy, "Three Level Gateway protocol for secure M-Commerce Transactions", Solid State



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Technology, Vol. 63 No. 6 (2020), ISSN: 0038-111x.

18. D Jayaram, Jagadeesh Sai , CRK Reddy, “ Text Extraction from Hoardings by Hybrid Model”, IJEAT, Volume-9, Issue- 4, April 2020, Page No. 73-80. ISSN:2249-8958 (online).
19. Anireddy Sushrutha1*, C.R.K. Reddy, “Movable Road Divider Using Internet of Things”, IJCSE, Vol.-8, Issue-2, Feb 2020, YesE-ISSN: 2347-2693.
20. L Raghavendar Raju , C R K Reddy , “Node Activity Based Trust and Reputation Estimation Approach for Secure and QoS Routing in MANET” in International Journal of Electrical and Computer Engineering (IJECE), Vol. 9, No. 6, December 2019, pp. 5340-5350, ISSN: 2088-8708, DOI: 10.11591/ijece.v9i6..SCOPUS Indexed.
21. L Raghavendar Raju , C R K Reddy, “Security Improvisation through Node Trust Prediction Approach in Mobile Ad Hoc Networks” in International Journal of Interactive Mobile Technologies”, (iJIM), iJIM- Vol. 13, No. 9, September 2019 pp. 40-51, ISSN: 1865-7923, DOI: <https://doi.org/10.3991/ijim.v13i09.9329>, Indexed by DBLP & SCOPUS.
22. D. Jayaram, CRK Reddy et al. "An Overview of Optical Character Recognition Systems Research on Telugu Language", IJSAT (ISSN 2221-8386), Vol(2) No.(9) Sep. 2012. pp 23-29.
23. M Swamy Das, G Sai Krishna, Dr. A Govardhan, Dr. CRK Reddy. " Segmentation of Overlapping Text lines, characters in Printed Telugu Text Document Images", International Journal of Science and Technology(IJEST) Vol 2(11), 2010, PP 6606- 6610, ISSN: 0975-546.
24. M Swamy Das , Dr. CRK Reddy, Dr. A Govardhan, K Rahul "Multilingual Optical Character Recognition System for Printed English and Telugu Base Characters", International Journal of Science and Advanced Technology (IJSAT)(ISSN 2221-8386), Volume 1 No.4 June 2011, PP 106 - 111
25. M Swamy Das, CRK Reddy, A Govardhan, HimaBindu "Evaluation of Text Detection and Localization Methods in Natural Images" IJETAE, Volume 2., Issue 6., June 2012, pp 277-282.
26. M. Swamy Das, CRK Reddy, D Sandhya Rani, A Govardhan "Script identification from Multilingual Telugu, Hindi and English Text Documents", International Journal of Wisdom Computing (IJWBC), Volume1(3), Dec 2011, pp 79-85
27. E Padmalatha, C R K Reddy and Padmaja B Rani. Article: Ensemble Classification for Drifting Concept. International Journal of Computer Applications 80(11):33-36, October 2013. Published by Foundation of Computer Science, New York.
28. G.Anil Kumar, Dr.CRK.Reddy, Dr.A.Govardhan "code clone detection with refactoring support through textual analysis", International Journal of Computer Trends and Technology- Volume2 Issue2- 2011, pp.147-150.
29. G.Anil Kumar, Dr.CRK.Reddy, Dr.A.Govardhan "An Efficient Method-Level Code Clone Detection Scheme Through Textual Analysis Using Metrics", International Journal of Computer Engineering & Technology, volume 3, issue 1-2012, pp 273-288, Chennai, India.
30. G.Anil Kumar, Dr.CRK.Reddy, Dr.A.Govardhan, "Code duplication in Software Systems: A survey", International Journal of Software Engineering Research & Practices Vol.2, Issue 1, Jan 2012, pp1-6.
31. G.Anil Kumar, Dr.CRK.Reddy, Dr.A.Govardhan "Influences of code cloning in software maintenance cost", International Journal of Advanced Trends in Computer Science and Engineering, Vol.2 , No.1, Pages : 640 - 643 (2013)
32. G.Anil Kumar, Dr.CRK.Reddy, Dr.A.Govardhan "Software Code Clone Detection using AST", International Journal of P2P Network Trends & Technology, Volume 9 June 2014 pp 33-39
33. C. R. K. Reddy, Bala Manda, "Empirically Investigating the Effect Of Design Metrics On Fault Proneness in Object Oriented Systems" International Journal of Computer Science & Engineering Technology 2010 (IJCSET), ISSN : 2229-3345, Vol. 2 No. 4.
34. Dr.C.R.K.Reddy, Dr.A.Damodaram, "STATISTICAL ANALYSIS FOR OBJECT



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ORIENTED DESIGN SOFTWARE METRICS", International Journal of Engineering Science and Technology(IJEST),Volume 2,May 2010,Page 1136-1142.

35. Amjan.Shaik and Dr.C.R.K.Reddy, "Metrics for Object Oriented Design Software Systems: A Survey", International Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS), Volume 1, Number 2, Page.No:189-197, ISSN: 2141-7016, December 2010, Impact Factor: 3.6.
36. Amjan.Shaik and Dr.C.R.K.Reddy, "An Empirical Validation of Object Oriented Design Metrics in Object Oriented Systems", International Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS), Volume 1, Number 2, Page.No:211-219, ISSN: 2141-7016, December 2010, Impact Factor: 3.6.
37. Amjan.Shaik, Dr.C.R.K.Reddy and Dr.A.Damodaram, "Object Oriented Software Metrics and Quality Assessment: Current State of the Art", International Journal of Computer Applications (IJCA), Volume 37, Number 11, January 2012, ISSN:0975-8887, Impact Factor: 0.835.
38. Amjan.Shaik, Dr.C.R.K.Reddy and Dr.A.Damodaram, "Weighted Coupling Support(WCS): A Metric to predict the fault proneness of Object Oriented Application", International Journal of Advanced Research in Computer Science (IJARCS), Volume 3, Number 4, July-August 2012, ISSN:0976-5697, ICV:5.47.
39. Amjan.Shaik, Dr.C.R.K.Reddy and Dr.A.Damodaram, "Weighted Cohesion Support (WChS): A Metric to predict the fault proneness of Object Oriented Application", International Journal of Scientific and Engineering Research (IJSER), Volume 3, Issue 10, October 2012, ISSN:2229-5518,Impact Factor : 1.4.
40. Amjan.Shaik, Dr.C.R.K.Reddy and Dr.A.Damodaram, "Impact of mediated relations as confounding factor on cohesion and coupling metrics: For measuring fault proneness in OO software quality assessment", Global Journal of Computer Science and Technology (GJCST), Volume 12, Issue 13, September 2012, ISSN:0975-4172.
41. Amjan.Shaik, Dr.C.R.K.Reddy and Dr.A.Damodaram, "Scalability and Sensitivity of WCS,WChS over the traditional Coupling and Cohesion Metrics: An Empirical Analysis", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 3, Issue 6, June 2013, ISSN:2277-128X5, Impact Factor : 2.080.
42. CRK Reddy etal., "Weighted Coupling Support(WCS)- A Metric to Predict the fault proneness of ObjectOriented Application", IJARCS(ISSN - 0976-5697) Aug. 2014, pp. 1-5.
43. Dr.C.R.K.Reddy, E.Padmalatha and Padmaja Rani, Mining Concept Drift from Data Streams by Unsupervised Learning, International Journal of Computer Applications 117(15):35-34, May 2015.
44. Dr. C R K Reddy ,E Padmalatha and Padmaja B Rani, "Classification of Concept-Drifting Data Streams using Optimized Genetic Algorithm", International Journal of Computer Applications 125(15):1-6, September 2015.
45. Dr. C R K Reddy, LR Raju, A Survey on Routing Protocols and QoS in Mobile Ad Hoc Networks (MANETs)_ Indian Journal of Science and Technology, Vol 10(8), DOI: 10.17485/ijst/2017/v10i8/106593, February 2017, ISSN (Print) : 0974-6846, p1-8.
46. Dr. C R K Reddy, LR Raju, Quality of Services (QoS) and Security Issues in Mobile Ad Hoc Networks (MANETs) – A Review, WWJMRD, e-ISSN: 2454-6615, 2017; 3(11): P198-202.
47. Dr. C R K Reddy, LR Raju, A Key Exchange Approach for Proficient and Secure Routing in Mobile Adhoc Networks, International Journal of Interactive Mobile Technologies.- ISSN: 1865-7923 Vol. 11 Issue 4, p43-54.

Conferences:

1. Ramesh Ponnala, C.R.K. Reddy, " Hybrid Model to Address Class Imbalance Problems in Software Defect Prediction using Advanced Computing Technique" , Published in: 2023 2nd International Conference on Applied



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Artificial Intelligence and Computing (ICAAIC), Date of Conference: 04-06 May 2023, Date Added to IEEE Xplore: 08 June 2023, DOI: 10.1109/ICAAIC56838.2023.10141379. Publisher: IEEE.

- Meghna Talari 1, Krishna Chythanya N 2 and C.R.K Reddy 3 "CODE2VEC Based Cognitive Agent System to Retrieve Relevant Code Component from Repository". In E3S Web of Conferences, Conf. Volume 184, p.01064, August 2020, 2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020) In E3S Web of Conferences. Scopus Indexed.
- N Chythanya, C. R. K. Reddy "A Survey on Mechanisms of Reusable Code Component Retrieval from Component Repository" Published in: 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC) Date of Conference: 07-09 October 2021 DOI: 10.1109/ICOSEC51865.2021.9591726, Publisher: IEEE
- Concept Drift In Data Streams with Decision trees, ICCEE-2016, McGraw Hill Proceedings.
- Significance of imbalanced Data in Classification, ICRAESIT 2015, 978-93-85100-56-7
- A Survey on different trends in Data Streams, ICNIT-2015, 978-1-4244-7577-3
- Efficient Classifier over Stream Sliding Window using Associative Classification approach, Vol.:115, No.22, PP.1-8, DMIN15 0975-8887, IJCA
- Fast Rule-based Prediction of Data Streams using Associative Classification Mining, ICITCS-15 IEEE Conf. Proceedings 978-1-4673-6357-8/15
- Fast Rule-based Heart Disease Prediction using Associative Classification Mining, ICCCC-15, IEEE Proceedings
- Efficient Learning Approaches for Agents in Data Mining, ICTCS-2014 (ACM), ISBN: 978-1-4503-3216-3
- Classification of concept drift data streams, ICISA-2014, ISBN: 978-978-1-4799-444-9
- Neural Based Telugu Optical Character Recognition System using Diagonal Features, NCRTIT-13, Elsevier, March '13, ISBN 978-93-5107-051-1
- Heuristic based script identification from multilingual text documents (PP.37-42), RAIT-12, ISM Dhanbad, IEEE Xplore, DOI: 10.1109/RAIT.2012.6194 627
- Neural Based Multilingual Optical Character Recognition System (MOCR) NOV, 2011, pp CET-2011, WC on E&T, Shanghai, 978-1-61284-365-0/11.
- Impact of Transitivity as Confounding Factor for Coupling and Cohesion Metrics in Object Oriented Systems RAAME-2012 VNRVJIT.
- Statistical Analysis Approaches to Measuring Coupling and Cohesion to Estimate the fault proneness in Object Oriented Systems RAAME-2012 VNR VJIT.
- Clone Detection using Textual and Metric Analysis in Java ICRAMAV-12 978-81-7800-281-1
- Statistical Analysis for Object Oriented Design Software Metrics ICAIEA 2010 Anna University
- A Taxonomy of Software Design Patterns NCRTMS-2010 Osmania University.
- A Survey of Process Development Models NCACT-2010 BIETS, HYD.
- Exact Match Image Retrieval System Using Spatial Database MMET-2010 Stanley CET, HYD.
- A Survey on Different Trends in Data Streams ICNIT-2010 978-1-4244-7577-3.
- Metrics Do They Really Help? Validation of Software Metrics Using AS Metric Tool NCFA-2009 NIT, Pune.
- An Empirical Validation of Object Oriented Metrics For Fault Predication In Software Process NCSE-2009, MSRIT, IEEE, Bangalore ISBN: 81 8884964-2.
- Efficient Learning Approaches for Agents in Data Mining of Real Time Data Streams IEEE- CITAFD- IIT Kanpur Proceedings.
- Software Quality Architecture Based On Runtime Metrics RESPOGRAF-2008 ASTRA.
- Empirical Analysis of Metrics for Object- Oriented Design complexity ICSPCA, Dept. of Statistics, Andhra University Proceedings.



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28. Object Oriented Design Metrics: A Survey and Comparison SVPEC, Visakhapatnam Proceedings.
29. Analysis on Software Quality Improvement by using Data Mining Techniques & Object Design Software NCMTCSST -2013, Hyderabad Proceedings.
30. Customer Relationship Management : A New Trend In E-Business NCMTCSST -2013, Hyderabad Proceedings.
31. A Study of Real time Process Models In Software Engineering NCACT-2010, Hyderabad Proceedings"

Patents:

1. Patent on “Real Time Multi Class Cardio Arrhythmia Classification, Based On Dnn Implemented In The Iot Cloud Platform” was published on 09-03-2021 Patent Number is 202141038591A
2. Patent on “ Smart Agriculture Using Sensors in Internet of Things (IOT) “ was published on 1-10-2021 Patent Number is 202141042980
3. Patent on” Image Processing Technique for surface crack detection in buildings “ was published on 24-9-2021 Patent Number is 202141036294A
4. Patent on “Detection Of Nutrients In Soil Using Iot” was published on July-2020 Patent Number is 202041028934A
5. Patent on “ IAEC- SYSTEM: Intelligent Iot System For Agriculture Environment Control” was published on March-2020 Patent Number is 202041010147A

Research & Consultancy:

1. Rs.8,00,000/- as ISOMDB by AICTE for the period 2000-2003.
2. Rs.8,40,000/- as Recurring grant in aid under AICTE-Prerana Scheme for the period 2019-20
6. Rs.7,64,706/- Total Grant in AID Sanctioned by AICTE for the year 2019-20

No. of Books/Chapter Published with details:

S. No.	Title	Publisher	Year of Publication
1	Advanced Engineering and Research Applications (Chapter : Object Oriented Dynamic Metrics in Software Development: A Literature Review)	RM Research International Pte. Ltd.	2024
2	AI Applications	SIPH	2024
3	Perspectives of IoT and Its applications (Chapter 3 Title: An Efficient algorithm implementation in IoT “ Drip Irrigation System” application of Agriculture Domain	Archers & Elevators Publishing House	2021
4	Perspectives of IoT and Its applications (Chapter 7 Title: Performance monitoring privacy and security of cloud users)	Archers & Elevators Publishing House	2021
5	Perspectives of IoT and Its applications (Chapter 13 Title: Extended algorithms for mining frequent patterns using Decision Tree in R)	Archers & Elevators Publishing House	2021

Events Organized:

Conferences:

FDPs/STTPs:

1. One week FDP on “Machine Learning using Python”
2. One week FDP on Human Values & Professional Ethics



ADDRESS:

- D – Block -Room No 104

JNTUH ID:

1336-170911-162939

EMAIL:

hodcse@mgit.ac.in,
crkreddy_cse@mgit.ac.in

DATE OF JOINING:

01-08-2007

EXPERIENCE - 36 Years

- Teaching -30
- Research -18
- Industry -6
-

Research Guidance

- Awarded Ph.D : 13
- Pursuing Ph.D : 02

SUMMARY:

- Publications - 47
- Conferences - 31
- Patents – 5
- Books/Book Chapters – 5

EVENTS:

- Organized - 17
- Attended - 09

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGIThyderabad>

3. National Level FDP(30-07-2024 to 02-08-2024) on “UI Flutter” organized by CSE, ET and IT in collaboration with Qunatum NIQUE Solutions.
4. One Week(08-07-2024 to 13-07-2024)National Level FDP organized on “Full Stack Development” in association with Edcults Consulting Private Limited.
5. One Week Faculty Development Programme on “DEVOPS AND ITS APPLICATIONS” from 05.02.2024 to 10.02.2024.

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. HackSavvy 2025 (26-03-2025 to 27-03-2025) was organized as a national-level hackathon to promote innovative problem-solving and interdisciplinary collaboration among budding engineers across the country.
2. One Week Industrial Workshop on “AWS cloud Developer Associate” from 26-02-2024 to 02-03-2024 in collaboration with Edcults Consulting Private Limited, Bangalore
3. 15 days industry-oriented summer camp in association with Swecha-2013
4. National Workshop on Relevance of Vedic Mathematics to Real World Computing.
5. Two-day Workshop on IoT and Web Designing
6. Artificial Intelligence and Machine learning algorithms in Edge Computing and applications to IoT
7. JHUB Hackathon on CYBER SECURITY
8. National Seminar on IoT FOR REAL WORLD
9. Special Guest Lecture On ‘ Zero to Maker : Free tools to Explore’
10. Introduction to Networks-V6
11. Programming through C++
12. Faculty Development Programme on Roll of Machine learning and Data Sciences in AI

Events Attended:

FDPs/STTPs:

1. Induction Program on “Human Values and Professional Ethics”,2Weeks,IIIT, Hyderabad.
2. One Week FDP on NBA Orientation conducted by ESCI Hyderabad.
3. Two weeks MSIT Mentor Training Program conducted by APSCH in collaboration with CMU
4. Three weeks 30th Orientation Course conducted by Academic Staff College, UoH
5. One week program on IBM Rational Rose by IBM
6. One week program on Outcome based Education Training and Assessment Program, CBIT, Hyd, TEQUIP
7. NPTEL Special lecture series “What is a Computer Science Engineering”
8. NPTEL Special lecture series “Simplifying Brain”
9. One Week Faculty Development Programme on Digital Teaching Techniques.

Online Certifications: NPTEL Courses

Any Other Contribution:

1. **Certified Yoga trainer.**
2. **Manasa Sarovar Yatra in 2012-Kailasi.**
3. **Student Counselling & Guidance.**