

Name of Faculty Dr Y C A Padmanabha Reddy  
 Designation Associate Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 06-03-2024



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

**Work Experience**

Teaching	13 Years
Research	08 years
Industry	--
Others	<ol style="list-style-type: none"> <li>1. Ratified Assistance Professor by JNTUA &amp; JNTUH</li> <li>2. Ratified Associate Professor by JNTUH</li> </ol>

Area of Specialization Pattern Recognition and Machine Learning, Data Mining, Deep Learning, Algorithms

Professional Memberships
 

1. IEEE
2. ACM
3. Soft Computing Research Society

Responsibilities held at Institution Level
 

1. Performance-based Appraisal Committee Member(PBAS for (2016-17)
2. AI Coordinator (2019-21)
3. Discipline Committee Member during-2015-16
4. Cultural Fest Co-Coordinator –Ashv-2k14.
5. Minor Degree-AI Coordinator.

Responsibilities held at Department Level
 

1. BoS Committee Member
2. Alumni Coordinator
3. Consultancy Coordinator
4. Syllabus Preparation for UG & PG ( R14 and R18)
5. QEEE Department Coordinator
6. NASSCOM Coordinator for Data Analytics

Research Guidance Recognized Research Supervisor by JNTUH

Awards Received
 

1. Received an amount of 5% incentive from Management for receiving the UGC –SERO Minor Research project Grant worth of 1.85 lakh rupees
2. Received Certificate of Appreciation in recognition of contribution and outstanding commitment towards enriching in Research Project
3. Received Appreciation certificate “Best Mentor for Artificial

Intelligence NPTEL Course” from IIT Madras.

4. Received Certificate of Appreciation in recognition of my contribution and outstanding commitment towards enriching the Consultancy Project.
5. My research was recognized and cited by MIT (Massachusetts Institute of Technology), Cambridge, USA.
6. Received Best Phenomenal Associate Professor for the year 2022 by ITAP.

Undergraduate Level:-

Courses Handled at Under Graduate / Post Graduate Level.

Introduction to AI, Data Mining and Data warehousing, AI Tools, Techniques and Applications, Introduction to Data Science, Database Management Systems, Software Engineering, Data Analysis Using R, Software Project Management, Cloud computing, Bioinformatics, Python Programming

Postgraduate Level:-

Machine Learning, Deep Learning

No. of Papers Published

National Journals – 00

International Journals – 16

National Conference – 00

International Conference – 17

**Govt. Funded Projects:-**

Projects Carried out

1. Completed UGC-SERO-MRP-4609/14) with title” Semi-supervised learning and its Applications for Image and Text Categorization”-Rs 1,85,000/-during (2014 to 2016)
2. Successfully supported for the UGC-SERO-MRP-46530/16) A Context-based Digital Assistant that stores and extracts Articles from National Dailies” worth of Rs 2,20,000/(2016-2018)

Consultancy Projects completed for Great Lakes Company Bangalore

1.. HR Analytics(Rs 20,000/-

2.Hotel Management System(Rs 20,000/-)

UG Projects: 30, PG Projects:10

**Patents:-**

Patents

1. “A Fuzzy Based Trust Model for Identification of Trustworthy and Capable Nodes in Manet Applications” with Application No.201941041980 A.(Published)
2. “To Transmit e-Medical Records for Sharing on Block chain using Homomorphic Encryption Methods” with Application no 2020103319.( Granted)
3. “Robot Detecting Threat” with application No; No.201941041980 A (Design Patent)

Technology Transfer

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Invited Speaker

1. Acted as a Resource person in AICTE Sponsored STTP on “Robotic Process Automation” at the International Conference CCODE-2019 at Sri Padmavathi Mahila Viswavidyalayam, Tirupathi on 1-2 Feb 2019.
2. Acted as a Resource person in One week AICTE-ATAL-FDP on “Robotic Process Automation: Tools and Techniques” at Sri Venkateswara College of Engineering(SVEC), Tirupathi during 04-08, January, 2021
3. Acted as a Resource person in One week AICTE Sponsored STTP on “Developing Cyber Security Models based on Statistical and Deep Learning” with a session “Semi-supervised Learning Models for Models for Cyber Security” at Vishnu Institute of Technology, Bhimavaram during 22-27, February 2021.

4. Acted as a Resource person in Two Weeks AICTE Sponsored FDP on “Cyber Security & Blockchain Technology” with a session “Semi-supervised Learning for Cyber Security” at SRIT, Anantapur during 14-26, June 2021.

No. of Books/Chapter Published with details

#### Workshops/ Events Organized :-

1. Successfully Organized a One Week FDP on “C Programming” in Collaboration with IIT Bombay”.
2. Organized 10 Alumni Guest lectures by Renowned Alumni during 2017 to 2021.

#### OC/RC/STTP/FDP/ Workshops attended:-

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

1. Attended one week International Workshop on “Research Methodology” from 11th to 15th June 2012 which is Organized by MITS in association with IUCEE
2. Attended one week International Workshop on “Data Communication IC Design” from 25th to 29th June 2012 which is Organized by MITS in association with IUCEE.
3. Participated in AICTE-QIP Short-term course on Recent Trends in Computer Architecture Organized by the Department of Computer Science & Engineering, IIT Madras during 17-21, December 2012.
4. Participated in AICTE-sponsored Faculty Development Programme on “Computational Intelligence – A Social, Research and Academic Perspective” Conducted by the Department of Computer Science & Engineering, PSG College of Technology, Coimbatore during May 30 to June 12, 2013.
5. Attended One Week Hands-on Workshop on “Web Apps in Zorin Environment” from 16th to 21 June 2014 which is Organized by MITS in association with IUCEE under TEQIP-II.
6. Participated in the training programme on “Instructional Design and Delivery” conducted by MITs and NITTR Chennai during 22nd to 26th December 2014
7. NASSCOM Train the Trainers (ToT) Cyber Security and Data Analytics Job Roles” Module-I Organized by APSSDC and NASSCOM at C. R. Rao Institute, Gachibowli, Hyderabad, from 07-12-2015 to 11-12-2015.
8. NASSCOM Train the Trainers (ToT) Module-II program jointly organized by APSSDC and NASSCOM at Acharya Nagarjuna University, Guntur from 6-7-2016 and 10-7-2016.
9. NASSCOM Train the Trainers (ToT) Module-III program jointly organized by APSSDC and NASSCOM at JNTU Kakinada Campus, Kakinada during 14-18 December 2016.
10. Successfully completed the course on Artificial Intelligence conducted by Dr Rao Vemuri, University of California, Davis and attended final phase at VVIT, Guntur. (Feb 2019 to Sept 2019).
11. Attended one-week FDP on AI & Deep Learning organized by dept. of CSE, Bennet University, Noida during 04-08, May 2020
12. Participated in the 6th Summer School on AI from 18 July 2022 to 19 Aug 2022 Organized by IIIT Hyderabad.
13. Attended one week FDP on “Data Engineering” at VNR VJIT Hyderabad during 16-20, Aug 2022
14. Attended Two Weeks AICTE-ATAL FDP on “Data Science and Visualization using Python” during 19-30 Dec 2022 at

Details of Journal Publications/  
Conferences (National and  
International)

**International Journals:-**

1. S. Mohammad Ghouse, Y C A Padmanabha Reddy, "An Enhancement for Transductive Nearest Neighbor Classification" in International Journal of Advanced Computing, July 2012, Vol.35 Issue 2, pp no 361-366.
2. B. Veerashekhara Reddy, Y C A Padmanabha Reddy, S. Mohammad Ghouse, "A Novel Approach for Transductive Decision Tree". in International Journal of Computer Science and Information Technologies (IJCSIT), Sept 2014, Vol 5 No 6 ISSN 0975-9646, pp. no 6985-6988.
3. P. Venkatsai Chandrakanth, Y C A Padmanabha Reddy, S. Mohammad Ghouse, "A Novel Approach to improve TNNC using Leaders Algorithm" in Journal of Computer Science and Applications (JCSA), Oct 2014, vol 6, No 2, ISSN 1270-2231, pp no 79-89.
4. K Manju Preetham, Y C A Padmanabha Reddy, K.Manoj, "Providing Data Security in a cloud transaction using two-phase validation" in International Journal of Emerging Technology in Computer Science & Electronics. (IJETCSE), Aug 2015, vol 17 issue 1, ISSN 0976-1353, pp. no: 57-61.
5. K. Manoj, Y C A Padmanabha Reddy, K Manju Preetham, "Data Provisioning in Multi-Cloud Server For Point Failure" in International Journal of Applied Engineering Research (IJAER), Aug 2015, Vol 10, No 15 (2015) ISSN 0973-4562, pp 35542-35545. (Scopus indexed).
6. Y.C A Padmanabha Reddy, P. Viswanath, and B. Eswara Reddy, "Semi-supervised Learning: A Brief Review", International Journal of Engineering and Technology (IJET(UAE)), Volume-7(18), March 2018, pp 81-85. (Scopus indexed).
7. Kiran Kumar, M. Sreedevi and Y C A Padmanabha Reddy, "Survey on machine learning algorithms for liver disease diagnosis and prediction" International Journal of Engineering and Technology (IJET(UAE)), Volume-7(18), March 2018, pp 99-102. (Scopus indexed).
8. Y.C A Padmanabha Reddy, P. Viswanath, and B. Eswara Reddy, "A Fast Semi-supervised Single-link clustering method", International Journal of Pure and Applied Mathematics Volume 119 No 16 (2018) pp 4001-4016 (Scopus indexed).
9. Y.C A Padmanabha Reddy, P. Viswanath, and B. Eswara Reddy, "A Fast Semi-Supervised Density-based Clustering Method", Journal of Advanced Research in Dynamic and Control Systems (Scopus indexed).
10. R. Kuppasamy, S. Venkatraman, C.A Rishikeshan, and Y C A Padmanabha Reddy, "Deep Learning based energy efficient optimal timetable rescheduling model for intelligent metro transportation systems" published in Physical Communication, Volume (42) (2020) (SCI-indexed).
11. J Somasekar, A. Sharma, N. Madhusudhana Reddy and Y C A Padmanabha Reddy, "Image Analysis for Automatic enumeration of RBC infected with plasmodium parasites-implications for Malaria Diagnosis" published in Advances in Mathematics: Scientific Journal 9(2020), no 3,1229-1237 (Scopus -Indexed).
12. J Somasekar, Y C A Padmanabha Reddy and G Ramesh, "Border Detection of malaria-infected cells in Microscopic images for Diagnosis" published in Journal of Computational and Theoretical Nanoscience Volume 17, pp. no 4643-4647, 2020 (Scopus Indexed).
13. Diwakar Tripathi, B Ramachandra Reddy, Y C A Padmanabha Reddy, Alok Sukla, Ravikant Kumar and Neeraj Sharma "BAT Algorithm based feature selection: application in credit Scoring" published in Journal of Intelligent and Fuzzy Systems(2021) with DOI: 10.3233/JIFS-189876.(SCI Indexed).
14. Sirisala Nageswara Rao, Yarava Anitha, Y. C. A. Padmanabha Reddy, and Veeresh Poola with the title "A novel trust recommendation model in online social networks using Soft Computing Methods" published in Concurrency and Computation: Practice and Experience" (2022)with <https://doi.org/10.1002/cpe.7153>.
15. Y. C. A. Padmanabha Reddy, Shyam Sunder Reddy Kasireddy, Nageswara Rao Sirisala, Ramu Kuchipudi, Purnachand Kollapudi "An Efficient Long Short-Term Memory Model for Digital Cross-Language Summarization" published in Computers, Materials amp Continua (2023) with Dol:- 10.32604/cmc.2023.034072.(SCI Indexed)
16. Sriramulu Bojjagani, Y. C. A. Padmanabha Reddy, Thati Anuradha, P. V. Venkateswara Rao, B. Ramachandra Reddy and Muhammad Khurram Khan with title "Secure Authentication and Key Management Protocol for Deployment of Internet of Vehicles (IoV) Concerning Intelligent Transport Systems" published in IEEE Transactions on Intelligent Transportation Systems (2022) with DOI: 10.1109/TITS.2022.3207593 with Impact factor 9.55.

### International Conferences:-

1. T. Hitendra Sharma, Y C A Padmanabha Reddy, P Viswanth with title "Recent Trends in Data Clustering" in International Conference on Nanoscience & Advanced Computing (ICNEAC-2011), Narsapur, AP.
2. P. Viswanath, K. Rajesh, C. Lavanya, Y C A Padmanabha Reddy, presented a paper "A Selective Incremental Approach for Transductive NNC", in Recent Advances in Intelligent Computational Systems(RAICS-2011) during 22-24, Sept, 2011 at IEEE Kerala Section Region 10, Thiruvananthapuram.
3. Akbar, Y C A Padmanabha Reddy, T. Hitendra Sharma, presented a paper "Automatic Decision Supporting System for Universities" in the International Conference on Emerging Trends in Electrical, communication and Information Technologies.ICECIT-2012 during 21-23, Dec 2012 at Anantapur.
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5. Jyothi Bellary, Y C A Padmanabha Reddy with the title "K-means Spherical Clustering with large variance in size" presented a paper in the International Conference on Computing and Control Engineering (ICCCE-2012), at MGR University, Chennai.
6. P. Viswanath, J. Rohini Y C A Padmanabha Reddy, "Query Performance Prediction Using Joint Inverse Document Frequency of Multiple Terms" International Conference on Emerging Trends in Electrical, Communication and Information Technologies.ICECIT-2015 at Anantapur.
7. Y C A Padmanabha Reddy, P. Viswanath, B. Eswara Reddy, "Semi-supervised Single link clustering method" in IEEE International Conference on Computational Intelligence & Computing Research during 15-17 Dec 2016 at Chennai.
8. Y C A Padmanabha Reddy and Mohan Krishna Varma, with a title "A Review on Supervised Learning Techniques" published by Springer in Advances in Intelligent Systems and Computing, Vol 1054, 2020.(Scopus Indexed Conference).
9. A Komala and Y C A Padmanabha Reddy, with a title "Context-based News Articles retrieval using CLSM" published in International Conference on Computing Methodologies and Communication (ICCMC-2021), IEEE Explorer 2021, pp. 1520–1523, 9418018.
10. Varma, N.M.K., Padmanabha Reddy, Y.C.A., Rajesh Kumar Reddy, C." **Performance Analysis of Machine Learning Algorithms for Website Anti-phishing** conference proceedings published in Lecture Notes on Data Engineering and Communications Technologies- 2022, 111, pp. 205–213
11. Y .C .A .Padmanabha Reddy., Sagar, S.P.P., Kalyan, R.P., Charan, N.S. Classification of Hotel Reviews using Machine Learning Techniques Proceedings published in "8th International Conference on Smart Structures and Systems, ICSSS- 2022" Context-based News Articles Retrieval using CLSM.
12. Padmanabha Reddy, Y.C.A., Parameswaran, T., Sathiyaraj, R. "A Smart Environment Monitoring Framework Using Big Data and IoT" 2021 IEEE Mysore Sub Section International Conference, MysuruCon 2021, 2021, pp. 399–404.
13. Padmanabha Reddy, Y.C.A., Parameswaran, T., Sathiyaraj, R. "A Smart Environment Monitoring Framework Using Big Data and IoT" 2021 IEEE Mysore Sub Section International Conference, MysuruCon 2021, 2021, pp. 399–404.
14. T Parameswaran, YCA Padmanabha Reddy, V Nagaveni, R Sathiyaraj "Era of Computational Big Data Analytics and IoT Techniques in Smart City Applications" published in Taylor & Francis, Chapman and Hall/CRC pp. 1-21(2022).
15. Diwakar Tripathi, Padmanabha Reddy, Y.C.A. Shailendra Kumar, B Ramachandra Reddy, Ram Kishan Devagan, " Experimental result analysis of extreme learning machine with various activation functions: An application in Credit Scoring" published in the Proceedings of Springer LNEE series of Machine Vision and Augmented Intelligence(MAI-2022)
16. Subbarao, M.V., Sindhu, J.T.S., Padmanabha Reddy, Y.C.A., ...Vasavi, K.P., Ram, G.C."Performance Analysis of Feature Selection Algorithms in the Classification of Beans using KNN and Neural Networks" in 2nd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS 2023- Proceedings, 2023 pp. 539–54(2023)
17. Babu, S., Samudrala, S., Pulabaigari, V., Padmanabha Reddy, Y.C.A., Babu, C.M." "Gemini: Graph-based Versatile News Search Engine" in 2023 International Conference on Intelligent Systems for Communication, IoT and Security, ICISCOIS 2023, (2023), pp. 516–520.