

RESUME



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OBJECTIVES:

- To strive for academic excellence and impart quality education with emphasis on Computer Science & Engineering.
- To inculcate the habit of executing effective implementation and rectification of Computer Engineering problems in the minds of all concerned, which they can apply in their professional life in future.

Summary of Experience:

Total 22 years' experience in teaching as an Assistant Professor and Associate Professor including 4 years experience as E-BOX and CODE TANTRA (placement) Trainer.

Work Experience:

- Working as an Associate Professor **Aditya Institute of Technology and Management College, Tekkali, Srikakulam** from June 2018 to till to date.
- Worked as an Associate Professor and CODE TANTRA (placement) Trainer in **Sri Sivani College of Engineering Srikakulam** from June 2017 to June 2018.
- Worked as an Associate Professor, and E-BOX (placement) Trainer in **Raghu Engineering College, Visakhapatnam** from March 2012 to June 2017.
- Worked as an Assistant Professor and Associate Professor in **Gayatri College of P.G. Courses, Srikakulam** from June 2003 to March 2012.
- Worked as a HOD and Assistant Professor in **B.S & J.R. P.G. College, Tekkali** from Nov 1998 to May 2003.

Educational Qualifications:

- Completed **Ph.D(Computer Science & Engineering) in October 2017** from GITAM University, A.P. Inda.
- Completed **M.Tech(Computer Science & Engineering)** from Nagarjuna University , A.P. Indain January 2010.
- Completed **Master of Computer Applications** from Andhra University , A.P. Indain Oct 1998.
- Completed **Bachelor of Science in Computer Science** from Andhra University , A.P. Indain Appril 1995.

Memberships and Achievements:

1. **Ratified as Associate Professor** in Computer Science and Engineering (CSE) by **JNTU- Kakinada on March-2022.**
2. Passed **AP-SET (Under UGC Letter No. F 7-10/2012(NET))** Exam with H.T. No.**150405016** held on July 2012.
3. Got affiliate membership from**"International Association of Academic plus Corporate"** with an Unique Identity Number: **FRTJQC-CE000435.**
4. Got Life Time Membership from Indian Society for Technical Education, New Delhi with **M-No: LM 97753**
5. Got Mentorship with National Institute of Technical Teachers' Training & ResearchMentor Id: **20221S000011407**
6. Got Life Time Membership from International Computer Science and Engineering Society (**ICSES**)No. 38908, Cherry Glen Common, and Fremont CA 94536, USA with a**Membership ID: #918.**
7. Got Life Time Membership from**Institute for Engineering Research and Publication** with a **Membership PM30174598**
8. Got the Membership from **Association for Computing Machinery (ACM)** with a **Professional Membership Number# 9291299**Since 2019.
9. Regular Member of Machine Intelligence Research Labs (Scientific Network for Innovation and Research Excellence) USA with **Membership ID #2032**<http://www.mirlabs.net/global/index.php?c=main&a=person&id=2032>

10. Society for Welfare of Engineering and professional Teachers (SWEPT), Andhra Pradesh Regd. No. 478/2020 **Membership ID: SW0059**
11. As a reviewer for reputed journals (**Elsevier, Springer, and IEEE**) and conferences (**Springer and IEEE**).

Other Responsibilities:

1. IQAC Departmental In-Charge (CSE)
2. BOS Member and Course Construct Coordinator of FLAT, CD
3. NBA-5th Criteria Departmental Coordinator.
4. Exam cell In-Charge.
5. R&D Departmental In-Charge.

Organized FDPs and Workshops:

1. Organized One Week FDP as a Convener on "**Intelligent Computing in Data Science**" (**ICDS-2020**) [16th - 20th June, 2020] at Department of CSE, Aditya Institute of Technology and Management.
2. Organized Webinar as a convener on "**Preparation of Quality Journal Papers and Book Chapters**" from, Department of Computer Science and Engineering, Aditya Institute of Technology and Management (AITAM)(Autonomous), Tekkali, Andhra Pradesh. Aug 9, 2020.
3. Organized **ICCIDM-2018 Springer Conference** as a Technical Team Chair on 15th and 16th December 2018 at Veer surendra Sai University of Technology, Burla, Odisha, India.
4. Organized **SCDA-2018 Springer Conference** as a Technical and Advertisement Team Chair on 10th and 11th March 2018 at Sri Sivani College of Engineering, Srikakulam, Andhra Pradesh India.

Papers Published:

1. Terlapu, Panduranga Vital, et al. "**Intelligent diagnosis system of hepatitis C virus: A probabilistic neural network based approach.**" International Journal of Imaging Systems and Technology (published: 19 May 2022).(SCIE/Clarivate Analytics/WOS/SCOPUS/UGC CARE-LIST-II). DOI: <https://doi.org/10.1002/ima.22746>

2. **Terlapu, P. V.,** Yugandhar, M., Ramesh, B., Kumar, B. V., & Pemula, R. (2022, January). **Student Cognitive Learning Capability (SCLC) Prediction System using PCA-ANN based Model.** In 2022 International Conference on Computing, Communication and Power Technology (IC3P) (pp. 11-18). IEEE. DOI: [10.1109/IC3P52835.2022.00013](https://doi.org/10.1109/IC3P52835.2022.00013)
3. **Terlapu, Panduranga Vital,** Ram Prasad Reddy Sadi, Ram Kishor Pondreti, and Chalapathi Rao Tippana. "Intelligent Identification of Liver Diseases based on Incremental Hidden Layer Neurons ANN Model." International Journal of Computing and Digital System (2021). (SCOPUS/UGC CARE-LIST-II). <https://dx.doi.org/10.12785/ijcds/110183>
4. Balasankar, V., Penumatsa, S. S. V., & **Vital, T. P. R.** (2021, February). "Empirical Statistical Analysis and Cluster Studies on Socio-Economic Status (SES) Dataset". In IOP Conference Series: Materials Science and Engineering (Vol. 1085, No. 1, p. 012030). IOP Publishing (SCOPUS/UGC-CARE-LIST-II). [DOI:10.1088/1757-899X/1085/1/012030](https://doi.org/10.1088/1757-899X/1085/1/012030)
5. **Vital, T. PanduRanga.** "Empirical study on Uddanam chronic kidney diseases (UCKD) with statistical and machine learning analysis including probabilistic neural networks." In Handbook of Computational Intelligence in Biomedical Engineering and Healthcare, pp. 283-314. Academic Press, 2021 (Single Author) (ELSEVIER) <https://www.sciencedirect.com/science/article/pii/B9780128222607000133>
6. **Vital, T., et al.,** "Probabilistic Neural Network-based Model for Identification of Parkinson's Disease by using Voice Profile and Personal Data." Arabian Journal for Science and Engineering 46, no. 4 (2021): 3383-3407. (SCIE/Clarivate Analytics/WOS/SCOPUS/UGC CARE-LIST-II) <https://doi.org/10.1007/s13369-020-05080-7>
7. **T. PanduRanga Vital et al.,** "Intelligent Liver Disease Prediction (ILDLP) System Using Machine Learning Models." In Intelligent Computing in Control and Communication, pp. 609-625. Springer, Singapore, 2021. (SCOPUS/ WOS/ UGC CARE-LIST-II). https://doi.org/10.1007/978-981-15-8439-8_50
8. **Vital, T. PanduRanga,** K. Sangeeta, and KalyanaKiran Kumar. "Student Classification Based on Cognitive Abilities and Predicting Learning Performances Using Machine Learning Models." International Journal of Computing and Digital Systems 10, no. 1 (2021): 63-75 (SCOPUS/ UGC CARE-LIST-II). <http://dx.doi.org/10.12785/ijcds/100107>
9. **P. R. V. Terlapu et al.,** "Intelligent socio-economic status prediction system using machine learning models on Rajahmundry AP, SES dataset." Indian Journal of Science and Technology 13, no. 37 (2020): 3820-3842 (Web of Science/ Publons / UGC CARE-LIST-II). <https://doi.org/10.17485/IJST/v13i37.1435>

10. Sadi, Ram Prasad Reddy, and **PanduRanga Vital Terlapu**. "Personalized Publishing of Data with Multiple Sensitive Attributes based on Sensitivity Level." Solid State Technology 63, no. 6 (2020): 3374-3394.
<http://www.solidstatetechnology.us/index.php/JSST/article/view/3446>
11. **Vital, T. PanduRanga**, P. P. P. Premchand, M. Naveen Kumar, S. Lakshmi Priya, and P. Aravind. "A Novel Deep Learning Approach for Voice Based Form Filling (VBFF) using Bi-LSTM Model."MuktShabd Journal Volume IX, Issue IX, September/2020 ISSN No: 2347-3150 (UGC CARE-LIST-I).[DOI:09.0014.MSJ.2020.V9I9.0086781.11250](https://doi.org/10.1007/978-981-15-2449-3_49)
12. Kumar, G. Rajendra, BaratamSowjanya, and **T. PanduRanga Vital**. "Foreground Segmentation Based On Convolutional Neural Network."MuktShabd Journal Volume IX, Issue VII, July/2020 ISSN No: 2347-3150 Page No: 2477 (UGC CARE-LIST-I).
[DOI:09.0014.MSJ.2020.V9I7.0086781.10707](https://doi.org/10.1007/978-981-15-2449-3_49)
13. Jayaram, D., and **T. Panduranga Vital**. "AODV and AntHocNet for Mobile Ad Hoc Networks Performance Evaluation Analysis."MuktShabd Journal ISSN-2347-3150 (UGC CARE-LIST-I). DOI:[09.0014.MSJ.2020.V9I7.0086781.10707](https://doi.org/10.1007/978-981-15-2449-3_49)
14. Kumar, K. D., Vankala, K., &**Vital, T. P.** "An Efficient Method for Detection of Dysfunctionality in Heart through Iris Using Hybrid Method" MuktShabd Journal ISSN-2347-3150 (Volume IX, Issue VII, JULY/2020 Page No : 2168-2176) (UGC CARE-LIST-I).[DOI:09.0014.MSJ.2020.V9I7.0086781.10707](https://doi.org/10.1007/978-981-15-2449-3_49)
15. **Terlapu, PanduRangaVital**,SreenubabuDasari, and Vijay Kumar Gangu. "Parkinson's disease voice diagnosis system (PDVDS) through PSO trained neural networks." Int. J. Sci. Technol. Res. 9, no. 3 (2020): 3723-3734(SCOPUS / Web of Science/ Publons / UGC CARE-LIST-II).
<https://www.ijstr.org/research-paper-publishing.php?month=mar2020>
16. **PanduRanga Vital, T.**, L. VenkataSatyanarayana, and G. S. N. Murthy. "Empirical Analysis on Uddanam CKD with Unsupervised MLs Including PCA." In Computational Intelligence in Pattern Recognition, pp. 571-587. Springer, Singapore, 2020(SCOPUS/ UGC CARE-LIST-II).https://doi.org/10.1007/978-981-15-2449-3_49
17. **PanduRanga Vital, T.** et al., "Statistical and Supervised Machine Learning Analysis on Clinical Uddanam Nephrology Dataset" Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 04-Issue, 2019(SCOPUS/ UGC CARE-LIST-II).
<https://www.jardcs.org/abstract.php?id=722>
18. **PanduRanga Vital, T.**,GortiSatyanarayanaMurthy, K. Yogiswara Rao, and T. V. S. Sriram. "Empirical Study and Statistical Performance Analysis with ANN for Parkinson's Vowelized Data set." In Computational Intelligence in Data Mining, pp. 767-780. Springer, Singapore, 2020(SCOPUS/ WOS/ UGC CARE-LIST-II).

https://doi.org/10.1007/978-981-13-8676-3_64

19. Murthy, G. S. N., M. V. V. Chowdary, M. V. Sangameswar, and **T. P. R. Vital**. "Exploring the API Calls for Malware Behavior Detection using Concordance and Document Frequency."(SCOPUS / Web of Science/ Publons / UGC CARE-LIST-II).<https://www.ijeat.org/wp-content/uploads/papers/v8i6/F9144088619.pdf>
20. **T. PanduRanga Vital**, and K. Sangeeta. "Machine Learning Models and Neural Network Techniques for Predicting Uddanam CKD." International Journal of Recent Technology and Engineering (IJRTE) 8, no. 2 (2019).(SCOPUS/ WOS/ UGC CARE-LIST-II)DOI: [10.35940/ijrte.B1792.078219](https://doi.org/10.35940/ijrte.B1792.078219)
21. **Vital, T. PanduRanga**, P. Shiny, S. E. Ashish, and T. Sai Kumar. "Statistical and Unsupervised MLs Analysis on Parkinson's Disease Data set Acquired from AP India." (SCOPUS/ UGC CARE-LIST-II).
https://doi.org/10.1007/978-981-13-1921-1_27
22. **PanduRanga Vital T.,**Murali Krishna M., Narayana G.V.L., Suneel P., Ramarao P. (2019) **Empirical Analysis on Cancer Dataset with Machine Learning Algorithms**. Soft Computing in Data Analytics. Advances in Intelligent Systems and Computing, vol 758. Springer, Singapore. (SCOPUS/ WOS/ UGC CARE-LIST-II).
https://doi.org/10.1007/978-981-13-0514-6_75
23. **PanduRanga Vital, T.,** Lakshmi, B. G., SwapnaRekha, H., &DhanaLakshmi, M. (2019). **Student Performance Analysis with Using Statistical and Cluster Studies**. In Soft Computing in Data Analytics (pp. 743-757). Springer, Singapore. (SCOPUS/ WOS/ UGC CARE-LIST-II)
https://doi.org/10.1007/978-981-13-0514-6_71
24. **Panduranga Vital, T.,**Dileep Kumar, K., Bhagya Sri, H. V., &Murali Krishna, M. (2019). **Analysis of Cancer Data Set with Statistical and Unsupervised Machine Learning Methods**. In Smart Intelligent Computing and Applications (pp. 267-276). Springer, Singapore.https://doi.org/10.1007/978-981-13-1921-1_27
25. **Vital, T. Panduranga**, et al. "A probabilistic neural network approach for classification of datasets collected from north coastal districts of AP, India Using MatLab." Procedia Computer Science 48 (2015): 715-721 ISSN: 1877-0509. (SCOPUS / WOS/ UGC CARE-LIST-II).<https://doi.org/10.1016/j.procs.2015.04.206>
26. **Vital, T. Panduranga**, M. Y. V. Nagesh, T. Anuradha, and AppalaRajuSamanthula. "A neural network approach for classification of kidney disease dataset collected from Visakhapatnam of AP, India."Int J Innovative Res SciEng 2, no. 2 (2016).
<http://data.conferenceworld.in/SVCET/P653-663.pdf>

27. **Vital, T. P., et al.,**(2016) "Performance Analysis of Parkinson Disease with Probabilistic Neural Networks" International Journal of Advanced Scientific and Technical Research Issue 6 volume 1, Jan. –Feb. 2016 ISSN 2249-9954
<http://www.rspublication.com/ijst/index.html>
28. Baby, P. Swathi, and **T. Panduranga Vital.** "Statistical analysis and predicting kidney diseases using machine learning algorithms." International Journal of Engineering Research and Technology 4, no. 7 (2015): 206-210 (**SCINAPSE / Mendeley**).
<https://www.ijert.org/research/statistical-analysis-and-predicting-kidney-diseases-using-machine-learning-algorithms-IJERTV4IS070234.pdf>
29. **Vital, T. Panduranga,** GSV PrasadaRaju, and D. S. V. G. K. Kaladhar. "Understanding Of Protein-Ligand Interaction for Breast and Lung Cancer Compounds Using Docking Method."(2014).SJIF Impact Factor 2.786 Volume 4, Issue 1, 945-966. Research Article ISSN 2278 – 4357 (**PUBLONS/UGC CARE-LIST-I (2017)**).
https://storage.googleapis.com/journal-uploads/wjpps/article_issue/1420091602.pdf
30. **Vital, T. Panduranga,** GSV PrasadaRaju, and D. S. V. G. K. Kaladhar. "Understanding of Protein Interaction Networks Between Normal And Cancer Conditions Using Selected Attributes." International Journal of Advance Research In Science And Engineering IJARSE, Vol. No.4, Special Issue (02), February 2015 ISSN-2319-8354(E)(**SJIF-INNO-SPACE/Cite-Factor**).<https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1037.6492>
31. **Vital, T. P., et al.,**(2014). Data Collection, Statistical Analysis and Clustering Studies of Cancer Dataset from Vizainagaram District, AP, and India. In ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India- Vol II (pp. 423-430). Springer, Cham. ISBN 978-3-319-03094-4 Online ISBN 978-3-319-03095-1 (**SCOPUS / WOS/ UGC CARE-LIST-II**).https://doi.org/10.1007/978-3-319-03095-1_45
32. Paper published in International journal publications IJRCSE Vol-4, Issue-6, and Nov - Dec, 2014 ISSN: 2321-0338(Print) ISSN: 2321-5585 (Online) on Dec-2014 with a title "Data Mining Techniques for Physicians to Diagnose Diseases"
33. Sriram, T. V., Rao, **Vital, T. P. R.** (2013). **Intelligent Parkinson disease prediction using machine learning algorithms.** Int. J. Eng. Innov. Technol, Volume -3, Issue-3 sep-2013 ISSN NO. 2277-3754, P-212-215. (**PUBLONS**)
https://www.ijeit.com/Vol%203/Issue%203/IJEIT1412201309_33.pdf
34. Rao, P. Ramakrishna, B. Addai, G. Ramakrishna, and **T. PanduRangaVital.**"Adaptive fuzzy filtering for artifact reduction in compressed images and videos." AIRCC's International Journal of Computer Science and Information Technology 3, no. 1 (2011): 118-137.<https://airccse.org/journal/jcsit/0211jcsit09.pdf>

35. Rao, D. Srinivasa, **T. Pandurang Vital**, and T. V. S. Sriram. "**Detection of Routing Anomaly using IDS Architecture based on Agents and Clusters in MANETs.**" International Journal of Computer Applications 975 (2011): 8887.
[DOI: 10.5120/3089-4236 \(https://www.ijcaonline.org/\)](https://www.ijcaonline.org/)

Faculty Development and Training Programs:

1. Completed Online **Orientation Training Program for Mentors** organized by National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata under All India Council for Technical Education, New Delhi from **7th February to 11st February, 2022** successfully. Certificate (Registration) No: **1-4563338991**.
2. Participated in the Two-Day Faculty Development Program on "**Machine Learning: Techniques and Application**" organized by Information and Technology, **PVPSIT, Vijayawada, from 22-04-2022 to 23-04-2022**.
3. Completed One Week Short Term Training Program through ICT Mode on "**NBA Accreditation Issues**" organized by National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata **from 28th March to 1st April, 2022** successfully. Certificate No: **NITTTRK/ICT/2021-22/11122**.
4. Completed NPTEL **Two Weeks FDP Program on "Data Analytics with Python"** organized by Indian Institute of Technology Roorkee. **Certificate No: NPTEL22CS-08524290276**.
5. Completed One Week Short Term Training Program through ICT Mode on **Machine Learning and its Applications** organized by National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata from 27th December to 31st December, 2021 successfully. Certificate No: **NITTTRK/ICT/2021-22/06312**.
6. Completed the National level Intercollegiate Online Faculty Development Program on **Outcome Based Education** organized by the Internal Quality Assurance Cell of Auxilium College (Autonomous), Vellore in association with ipsr solutions limited **22nd November 2021 to 27th November 2021** (6 days) **Certificate No: PGFmcTIW1m**
7. Successfully completed 60 Contact Hours FDP on "**AI and Deep Learning (DL)**" Held from **1st July 2020 to 28th July 2020** organized by AP State Skill Development Corporation (APSSDC).
8. Participated in a One-Week FDP on "**Evolution of Iot and it's Real Time Applications**" during 13th to 17 July 2020 Organized by Dept. of CSE **Malla Reddy Institute of Technology and Science**.
9. Participated in a three day FDP on "**IoT with Artificial Intelligence**" during 27th to 29th May 2020 at Sir CR Reddy College of Engineering, Eluru in Collaboration with 360DigiTMG.

10. participated in the One-Week Online Faculty Development Programme on “**Artificial Intelligence and Machine Learning**” organized by E&ICT Academy IIT Guwahati held from 25 to 30 October, 2021 in association with Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh and support from Imarticus Learning, Mumbai. Cert. No. **EICT/107/2021-22/FDP/OL/022**
11. Participated in "**Master Data Science in 11Hrs**" **Excellence Certification Program** held on 5th, 6th and 16thSeptember 2020 Organized by Andhra Pradesh State Skill Development Corporation.
12. Attended in One Week FDP Program on "**Machine Learning and It's Applications**" Organized by the **Department of IT, AITAM Engineering College, Tekkali** from 4th to 8th July,2020.
13. Completed 60 Contact Hours **Faculty Development Program on AI and Deep Learning** Held from 1st July 2020 to 28thJuly 2020 organized by **360DigiTMG** Andhra Pradesh State Skill Development Corporation.
14. Completed 20 Days of **Faculty Development Program on R Programming** Held from 7th Sep 2020 to 5th Oct 2020 organized by **360DigiTMG** Andhra Pradesh State Skill Development Corporation.
15. Attended in One Week International FDP Program on "**Advances in Technologies, Evolving New Dimensions in E-Society**" Organized by the Department of CSE,**JIS College of Engineering, West Bengal** from 2nd to 6th September,2020.
16. Attended in Two Week Certificate Program on "**Data Science with Deep Learning using Python**" Organized by the Asset-Plus Organization.
17. Actively Participated in the Five Days FDP on "**Multi Objective Optimization for Mechanical Engineering**"**from 08/06/2020 to 12/06/2020** at QIS College of Engineering and Technology, Ongole, AP,India-523 272
18. Attended in One Week FDP Program on "**Machine Learning and It's Applications**" **Organized by I&ICT Academy IIT Guwahati associated with AITAM EngineeringCollege, Tekkali** from 25th to 30th October,2021.
19. Attended in One Week FDP Program on "**AI and It's Applications**" Organized by the **Department of CSE,Ramachandra College of Engineering** Associated with **360 DigiTMG** from 4th to 8th July,2020.
20. Attended in Two Week FDP Program on "**Introduction to Automata, Languages and Computation**", Organized by the Department of CSE IIT Khargpur.
21. Attended in Three Week FDP Program on "**Programming in C++**",Organized by the Department of CSE **IIT Khargpur**.

22. Attended in Two Week FDP Program on "Introduction to Machine Learning", Organized by the Department of CSE **IIT Khargpur**.
23. Attended in Three Week FDP Program on "**Deep learning**", Organized by the Department of CSE **IIT Madras**.
24. Attended in Three Week FDP Program on "**Introduction to Machine Learning**", Organized by the Department of CSE **IIT Madras**.
25. Completed 60 Contact Hours Faculty Development Program on "**AI and Deep Learning**" Held from 1st July 2020 to 28th July 2020 organized by **360DigiTMG Andhra Pradesh State Skill Development Corporation**.
26. Completed 20 Days of Faculty Development Program on "**R Programming**" Held from 7th Sep 2020 to 5th Oct 2020 organized by **360DigiTMG Andhra Pradesh State Skill Development Corporation**.
27. Successfully completed the **Academic Staff Orientation Course** organized by the **Academic Staff College, Andhra University ,Visakhapatnam** from 04-march-2002 to 29-march-2002(**FOUR WEEKS**).
28. Attended **AICTE Sponsored Two Weeks Staff Development Programme** on "**NETWORK SECURITY AND APPLICATIONS** "from **5th February** to **18th February 2010** organized by Dept of Computer Science & Engineering, **AITAM, Tekkli**.
29. Attended **AICTE Sponsored Two Weeks Staff Development Programme** on "**Computational Intelligence and its Applications to Data mining**"from**30th April** to **13th May 2010**organized by Dept of Computer Science& Engineering, Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam.
30. Attended **Two-Week International Training Program** on "**Oracle Database 11g: Administration** "conducted by Oracle University Training Class with Enrolment **ID-6813739**.
31. Attended **Two Week Faculty Development Programme** on "**Pedagogical Training**"from**11th to 23rd November 2013** organized by Dept of Computer Science & Engineering, Ragu Engineering College, Visakhapatnam.
32. Attended **One Week Training Programme** on "**Welcome Change &Excel** " from**18th to 24th June 2014**conducted by Ragu Engineering College, Visakhapatnam.
33. Participated in **AICTE recognized One Week Short Term Course** on "**Soft Computing using Sci-Lab Through ICT**" from **21st July** to **25th July 2014**conducted by Educational Television Centre, at Ragu Engineering College, Visakhapatnam.

Workshops Attended:

1. Completed 30 Days Internship and Workshop on "**AI Master Class**" Organized by APSSDC from Oct 4 to Nov 5, 2020 Cert. No. # **PS-AI-INTERNSHIP-0205**.
2. Completed 30 Days Hands on Workshop on "**Master classes on MatLab Simulink**" Organized by APSSDC Cert. No. # **PS-APSSDC-MATLAB-6026**.
3. Completed 30 Days Workshop on "**Machine Learning Master Class**" Organized by APSSDC **Andhra Pradesh State Skill Development Corporation** from Nov 15 to Dec 14, 2021 Cert. No. # **PS-APSSDC-MLMC-5742**.
4. Completed 30 Days **Internship Program on MatLab**" from Sep 01 to Sep 30 - 2020 Organized by **IETE MUMBAI** Cert. No. # **PS-IETE-INTERNSHIP-0360**.
5. Completed 20 Days Webinar Series on "**MatLab Master Class 2020**" Organized by **IETE MUMBAI** Cert. No. # **PS-IETE-MC-4239**.
6. Completed 5 Days Hands on Workshop on "**Image Processing using MatLab**" Organized by APSSDC Andhra Pradesh State Skill Development Corporation (APSSDC) **PS-APSSDC-2497**.
7. Participated Two-Day Workshop on "**Outcome Based Education**" organized by **Ragu College Of Pharmacy**, Visakhapatnam from 13th and 14th July 2019.
8. Attended the Three-Day National workshop on "**Advanced Optimization Techniques for Engineering and Management**" from 5th to 7th April 2013 organized by **GMR Institute of Technology**, Rajam.
9. Attended the Two-Day National workshop on "**Blogging & Ethical Hacking**" held on 5th & 6th February 2014 **organized by D3 Labsat Ragu Engineering College**, Visakhapatnam.
10. Attended the **Three-Day National workshop** on "**Recent Trends in Image and Computer Vision Research**" from **28 October to 30th October 2010** organized by Departments of IT/CSE/MCA, **AITAM Tekkali**.
11. Participated Two-Day Workshop on "**Crux of Writing Journal Papers, Research Project Proposals and Patents**" organized by **Ragu College Of Pharmacy**, Visakhapatnam from 11-11-2013 to 23-11-2013.

Seminars and Conferences Participated:

1. Attended One-day International Conference on **"Science, Technology and Management(ICSTM-15)"** organized by AR Research Publication YMCA, Connaught Place, New Delhi, India on 1st February 2015.
2. Attended National Seminar on **"Biologically Inspired Computing and its Applications"** organized by Dept. of CSE, Sri Sivani College of Engineering, Srikakulam on 22nd and 23rd November 2013.
3. Attended International conference on **"Computational Intelligence in Data Mining-2018"** Organized by Veer Surrender Sai University of Technology, Burla Odisha, India on 15th and 16th December, 2018.
4. Attended International conference on **"Computational Intelligence and Pattern Recognition (CIPR-2020)"** Organized by Dept. of MCA on 4th and 5th January, 2020.
5. Attended International conference on **"Soft Computing in Data Analytics (SCDA 2018)"** Organized by Sri Sivani College of Engineering, Srikakulam, A.P., and India on 10th and 11th March, 2018.
6. Attended International conference on **"Intelligent Systems and Computing (CSI-2013)"** Organized by Computer Society of India (CSI), India from 13th to 15th December, 2013.
7. Attended International conference on **"Artificial Intelligence, Robotics and Embedded Systems Them: Intelligence and Automation"** Organized by Dept. of CSE, Andhra University, Visakhapatnam, AP, India. From 15th to 17th October, 2015.
8. Attended International conference on **"Recent Innovations in Science, Engineering and Management"** Organized by Dept. of CSE, SVCET College, Srikakulam, AP, India. Held on 2016.
9. Attended Two-day International Conference on **"Intelligent Computing, Communication and Convergence (ICCC'14)"** organized by IIMT Research Network Bhubaneswar, Odisha, India on 27th & 28th December 2014.
10. Attended AICTE sponsored Two-day National Seminar on **"Recent Developments in Multi-objective Optimization Techniques in the field of Engineering"** organized by Dept of Mechanical Engineering, Ragu Engineering College, Visakhapatnam on 8th to 9th May 2014.

11. Attended a Three-day National Seminar under TEQIP Phase-II “**Frontiers in Machine Learning Algorithms (FMLA 2014)**” from 8th to 10th January 2014 by Department of CSE AITAM Tekkali, Srikakulam.
12. Attended One-day International Seminar on “**Security and Software Engineering (SSE’13)**” organized by Dept. of Computer Science and Technology, DIET Eng. College, Anakapally, Visakhapatnam on 22nd February 2013
13. Attended Two-day National Seminar on “**Privacy Preserving and Trust Management(NSPPTM)**” organized by School of Computer Applications, GVP College for PG Courses Visakhapatnam on 24th & 25th March 2012.
14. Attended a Two-day National Seminar Sponsored by AP State Council of Higher Education on “**Biochemical, Biotechnological and Conservational Aspects of Medicinal Flora**” from 4th & 5th February 2012 organized by Gayatri College of Science and management, Srikakulam.
15. Attended One-day National Conference on “**Recent Trends in Pharmaceutical Sciences**” organized by Ragu College Of Pharmacy, Visakhapatnam on 10th July 2010.

Online Courses:

A. NPTEL and Other Online Certifications:

1. Completed NPTEL Online Certification Course on "**Data Analytics with Python**" organized by IIT Roorkee. Jan-Apr-2022 (12 week Course) Roll No: **NPTEL22CS-08524290276**.
2. Completed NPTEL Online Certification Course on "**Compiler Design**" Organized by IIT Madras Jan-Apr-2019(12 week Course) Roll No: **NPTEL19CS01S42120010**.
3. Completed NPTEL Online Certification Course on "**Programming in C++**" Organized by IIT Madras Jan-Mar-2019(12 week Course) Roll No: **NPTEL19CS10S11990053**
4. Completed NPTEL Online Certification Course on "**Deep Learning**" Organized by IIT Madras Jul-Oct-2018(12 week Course) Roll No: **NPTEL18CS41S12030034**
5. Completed NPTEL Online Certification Course on "**Introduction to Automata, Languages and Computation**" with silver medal Organized by IIT Kharagpur Jan-Apr (12 week Course) Roll No: **NPTEL19MA15532120022**
6. Completed NPTEL Online Certification Course on "**Programming in JAVA**" with silver medal Organized by IIT Kharagpur Jul-Oct 2019 (12 week Course) Roll No: **NPTEL19CS84S32190022**

7. Completed NPTEL Online Certification Course on "**Introduction to Machine Learning**" Organized by IIT Kharagpur Aug-Oct 2018 (8 week Course) Roll No: **NPTEL18CS40S22020014**
8. Completed NPTEL Online Certification Course on "**Accreditation and Outcome Based Learning**" with **Silver Medal** Organized by **IIT Kharagpur** Aug-Oct 2019 (8 week Course) Roll No: **NPTEL19GE18S62190033**.
9. Successfully completed Certificate of Completion "**10 reasons to get – and use – an ORCID iD**" on Friday 01 May, 2020 Presented by Alice Meadows organized by **ELSEVIER** Researcher Academy (researcheracademy.com)
10. Successfully completed Certificate of Completion "**Plagiarism**" on Monday 17 February, 2020 Presented by Catriona Fennell organized by **ELSEVIER** Researcher Academy (researcheracademy.com)
11. Successfully completed Certificate of Completion "**Using proper manuscript language**" on Monday 17 February, 2020 Presented by Anthony Newman organized by **ELSEVIER** Researcher Academy (researcheracademy.com).
12. Successfully completed Certificate of Completion "**Writing a persuasive cover letter for your manuscript**" on Monday 17 February, 2020 Presented by Anthony Newman, Lora Heisler organized by **ELSEVIER** Researcher Academy (researcheracademy.com).
13. Successfully completed Certificate of Completion "**Beginners' guide to writing a manuscript in LaTeX**" on Thursday 30 April, 2020 Presented by Hannah Foreman organized by **ELSEVIER** Researcher Academy (researcheracademy.com)
14. Successfully completed Certificate of Completion "**Searching Substances by Name**" on Wednesday 22 April, 2020 organized by **ELSEVIER** Researcher Academy (researcheracademy.com).

B. Coursera Online Certifications:

1. Completed **Measuring and Maximizing Impact of COVID-19 Contact Tracing** Sep 22, 2021
2. Completed **Convolutional Neural Networks** Jun 2, 2020
3. Completed **Coursera Administrator Training** Oct 6, 2020
4. Completed **Deep Learning Specialization** Jun 27, 2020
5. Completed **How Google does Machine Learning** May 27, 2020

6. Completed **Improving Deep Neural Networks: Hyper-Parameter Tuning, Regularization and Optimization** May 26, 2020
7. Completed **Introduction to Deep Learning** course authorized by HSE University Aug 17, 2021
8. Completed **Measuring and Maximizing Impact of COVID-19 Contact Tracing** authorized by Johns Hopkins University May 16, 2020
9. Completed **Using Facebook as an LMS (Learning Management System)**
10. Completed **Structuring Machine Learning Projects** Jun 4, 2020
11. Completed **Sequences, Time Series and Prediction** Jun 26, 2020
12. Completed **Sequence Models** Jun 27, 2020
13. Completed **Neural Networks and Deep Learning** May 16, 2020

C. Coursera Online Guided Project Certifications:

1. Completed **Access an EC2 instance shell from the AWS console** Nov 13, 2021
2. Completed **Analyze Survey Data using Principal Component Analysis** Jan 13, 2022
3. Completed **Azure Synapse SQL Pool - Implement Poly-Base** Sep 22, 2021
4. Completed **Build & Deploy AI Messenger Chabot using IBM Watson** Oct 03, 2021
5. Completed **Compose and Program Music in Python using Ear-sketch** Sep 16, 2021
6. Completed **Create a Resume and Cover Letter with Google Docs** Nov 02, 2021
7. Completed **Create a Website Using Word-Press : Free Hosting & Sub-domain** Oct 17, 2021
8. Completed **Create Charts and Dashboard using Google Sheets** Nov 16, 2021
9. Completed **Introduction to Basic Game Development using Scratch** Nov 10, 2021
10. Completed **Machine Learning Pipelines with Azure ML Studio** Aug 23, 2021
11. Completed **UseSurvey-Monkey to Create a Survey and Analyze Results** Aug 24, 2021
12. Completed **Use Canvas to Create Desktop and Mobile-friendly Web Pages** Sep 29, 2021
13. Completed **Tweet Emotion Recognition with Tensor-Flow** Jan 24, 2022
14. Completed **Transfer Learning for NLP with Tensor-Flow Hub** Oct 03, 2021

15. Completed **Search Engine Optimization (SEO) with Square space** Dec 25, 2021
16. Completed **Machine Learning Pipelines with Azure ML Studio** Aug 23, 2021

D. Online Webinar and Short-Term Courses :

1. Actively Attending the Webinar on the "**Recent Development in Nanostructured metals and Alloys**" Organized by IFERP on 25th October 2020.
2. Actively Attending the Webinar on the "**Renewable Energy System and Sustainability-Education Research and Outreach**" Organised by IFERP on 16th October 2020.
3. Actively Attending the Webinar on the "**Computing and Signal Processing in IOT applications**" Organised by IFERP on 12th October 2020.
4. Actively Attending the Webinar on the "**Artificial Intelligence and ML using Python**" Organised by IFERP on 10th October 2020.
5. Actively Attending the Webinar on the "**General Awareness to the Educators and Institutions Insights of National Education Policy-2020**" Organised by IFERP on 13th October 2020.
6. Actively Attending the Webinar on the "**Optical Wireless Communication-Challenges and Opportunities**" Organised by IFERP on 03rd October 2020.
7. Actively Attending the Webinar on the "**Learning Path to Data Science**" Organized by IFERP on 26th September 2020.
8. Actively Attending the Webinar on the "**Biology in Concrete**" Organized by IFERP on 20th September 2020.
9. Actively Attending the Webinar on the "**Personality Development and Winning Attitude**" Organized by IFERP on 18th September 2020.
10. Actively Attending the Webinar on the "**Modelling of Biomedical Applications using Neural Networks**" Organised by IFERP on 16th September 2020.
11. Actively Attending the Webinar on the "**National Education Policy**" Organized by IFERP on 13th September 2020.
12. Actively Attending the Webinar on the "**Virtual Integrative Classroom for Teachers and the Challenges Technologies in Post Covid-19 Era**" Organised by IFERP on 05th July 2020.
13. Actively Attending the Webinar on the "**Cyber Virus that took his path with Corona Virus**" Organised by IFERP on 15th August 2020.

14. Actively Attending the Webinar on the "**Technology based Teaching in Class Room**" Organised by IFERP on 10th September 2020.
15. Attended the International Webinar "**Decision Making under Interval (and More General) Uncertainty**" on August 06, 2020 organized by Machine Intelligence Research Labs, USA.
16. Attended the International Webinar "**Computational Intelligence in Supply Chain Management**" On July 22, 2020 Webinar, 2020 organized by Machine Intelligence Research Labs, USA.
17. Attended the "**International Webinar Fundamentals of Reinforcement Learning**" On July 22, 2020 organized by Machine Intelligence Research Labs, USA.
18. Attended the "**International Webinar Deep Learning (Partly) Demystified**" on August 13, 2020, organized by Machine Intelligence Research Labs, USA.
19. Attended the International Webinar "**Man or Machine: AI for Pulmonary Abnormality Screening (#TB and #COVID19)**" On August 13, 2020, organized by Machine Intelligence Research Labs, USA.
20. Participated Webinar on "**Digital Marketing as a Career Option**" Held on July 25th, 2020 **Certificate No: 000115/25072020** organized by EXCELR SOLUTIONS.
21. Attended the International Webinar "**Consumer-Centric Internet of Things: Catalyzing the Need for Interoperability**" On August 14, 2020 organized by Machine Intelligence Research Labs, USA.
22. Attended the International Webinar "**Ambient Intelligence: Convergence of Technologies for Smart Living**" on July 20, 2020 organized by Machine Intelligence Research Labs, USA.
23. Actively Participated in A national Webinar on "**Physical and Emotional Well Being**" organized by Dept. of Basic Science and Humanities ,AITAM, Tekkali on 7th August 2020.

GUIDED TO P.G. AND U.G PROJECTS:

- ✓ 58 projects guided to P.G. (M.Tech. and M.C.A) Scholars.
- ✓ 34 projects guided to U.G. (B.Tech) Students.

GUST LECTURES:

- Lecture on **Image processing** for III MCA in A.U.P.G. Centre Vizainagaram, July 2005.
- Lecture on **Artificial Intelligence** forII MCA in A.U.P.G.Centre Vizainagaram, December2005.
- Lecture on **Theory of Computation** for II MCA in A.U.P.G. Centre Srikakulam, February 2006.
- Lecture on **Computer Graphics and Networks Security**for MCA in Bullayya P.G. College Visakhapatnam March 2007.
- Lecture on **Data Ware Hosing and Mining** for III MCA in A.U.P.G. Centre Vizaya Nagaram, July 2008.
- Lecture on **Artificial Intelligence and Theory of Computation** for MCA in Doctor B.R.Ambadkar University, Echarla, Srikakulam, in 2009 and 2010.
- Lecture on **Data Communication & Computer Networks** and Information Systems Auditing (ISA) for MCA in Doctor B.R.Ambadkar University, Echarla, Srikakulam, in 2009 and 2011.

During the above tenure, handled classes on Computer Networks, Multimedia, Artificial Inelegance, Computer Graphics, Image Processing, Operational Research, Theory of Computation, Network Security, DBMS, Data mining and warehousing, Total Quality Management, Embedded Systems, and also handled Laboratory classes for the above subjects.

TEACHING SUBJECTS:

Theory Subjects	: FLAT, C.D., C.G., I.P., L.P., D.B.M.S,Data Mining O.R., MFCS, O.S., N.S. A.I., P.S.Q.T, Soft Computing, Neural Networks, Machine Learning, Deep Learning
Languages	: C, C++, VB script,Java, Visual Basic, PROLOG, MAT-LAB, R Language, Python 3.x
Tolls	: WEKA, ORANGE, LEX, YACC
Data Base	: SQL Server2000, MS-Access, Oracle
Operating System	: Windows 98, 2000, NT/2000, UNIX

PERSONAL PROFILE:

Father's Name : RAMULU

Mother's Name : JAGADAMBA

Date of Birth and Age : 14.08.1973 &48 Yrs.

Gender : Male

Citizenship : Indian

Religion : Hindu

Marital Status : Married

Permanent Address : AVALANGI (VIL),
BUDITHI (P.O),
SRIKAKULAM (Dist.),
ANDHRA PRADESH,
INDIA, PIN: 532427

Cell Numbers : +91 9491936489

Email : vital2927@gmail.com
pandurangavital.cse@adityatekkali.edu.in

Languages known : English, Telugu and Hindi

I certify that the information given above is true, complete and correct to the best of Knowledge and belief.



(Dr. PanduRangaVital Terlapu)