

Dr. T. R. Vijaya Lakshmi

Associate Professor



Education Qualifications: M.Tech., Ph. D.
Specialization: Signal Processing

ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijayalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

EVENTS:

- Organized - 15
- Attended - 24

ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>

Membership of Professional Bodies:

1. **Executive Committee Member**, Swecha.
2. **Life Member**, Institute of Engineers, (M-1711096).
3. **Life Fellow**, Institute of Electronics and Telecommunications Engineering, (F-502139).
4. **Life Member**, Indian Society for Technical Education (ISTE), New Delhi (LM118981).

Responsibilities Held at Institution Level:

1. Aadhaar Enabled Biometric Attendance System (ABAS) - Coordinator
2. Internal Complaints Committee Member

Responsibilities Held at Department Level:

1. TASK Coordinator
2. Virtual Labs Coordinator
3. B.Tech Minor Degree Course Coordinator
4. In-charge for 2022-23 admitted ECE students
5. DSP Lab In-charge

Honors/Awards Received:

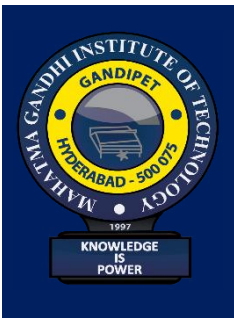
1. Received the **Best Paper Award** in the category “**Models and Algorithms**” for the paper titled “Modeling of Patterns with Spectral Data and Time-varying PSO to identify Concealed character strokes of Historical Manuscripts” in the International Conference on **Data Science and Applications** held during **10-11 April 2021**, jointly organized by **Jadavpur University, Kolkata** and **Soft Computing Research Society**.

Research & Consultancy:

1. Project sanctioned by TEQIP-III, JNTUH on “Improving Object Visibility under atmospheric degradations of haze and fog by adopting Deep Neural Network Model” for **2.55 lakhs** during **2019-2021**.

Courses Handled at Under Graduate /Post Graduate Level:

1. **UG:** Computer Organization and Operating Systems
Digital Signal Processing
Signals and Systems
Computer Organization and Architecture
Analog Communications
Digital Communications
Telecommunication Switching Systems and Networks
2. **PG:** Research Methodology & IPR; Digital Signal Processors and Architectures



PUBLICATIONS:

ARTICLES INDEXED IN WEB OF SCIENCE:

1. **T R Vijaya Lakshmi**, et al., "Modeling and simulation of bacterial foraging variants: acoustic feature selection and classification." *Signal, Image and Video Processing* (2023): 1-7. Doi: [10.1007/s11760-023-02783-w](https://doi.org/10.1007/s11760-023-02783-w) **Springer publication (Q2) Impact factor: 1.58.**
2. **T R Vijaya Lakshmi**, et al., "Skin cancer detection from dermoscopic images using Deep Siamese domain adaptation convolutional Neural Network optimized with Honey Badger Algorithm." *Biomedical Signal Processing and Control* 86 (2023): 105264. Doi: 10.1016/j.bspc.2023.105264 **Elsevier publication (Q1) Impact factor: 5.07.**
3. **T R Vijaya Lakshmi**, et al., "Classification of multi-spectral data with fine-tuning variants of representative models." *Multimedia Tools and Applications* (2023): 1-23. Doi: [10.1007/s11042-023-16291-z](https://doi.org/10.1007/s11042-023-16291-z) **Springer publication (Q1) Impact factor: 2.7.**
4. **T R Vijaya Lakshmi**, et al., "Classification of skin lesions by incorporating drop-block and batch normalization layers in representative CNN models." *Arabian Journal for Science and Engineering* (2023): 1-14. Doi: [10.1007/s13369-023-08131-x](https://doi.org/10.1007/s13369-023-08131-x) **Springer publication (Q1) Impact factor: 2.8.**
5. **T R Vijaya Lakshmi**, et al., "Cancer Prediction with Gene expression profiling and Differential Evolution," *Signal, Image and Video Processing*, **Springer publication, 2022**, Doi: 10.1007/s11760-022-02396-9 **(Q2) Impact factor: 1.58.**
6. **T R Vijaya Lakshmi**, et al., "Entropy based single image dehazing with refined transmission using holistic edges," **Multimedia Tools and Applications, Springer publication, 2022**, 81(14), pp. 20229-20253, ISSN no. 13807501, Doi: 10.1007/s11042-022-12485-z. **(Q1) Impact factor: 2.7.**
7. **T. R. Vijaya Lakshmi**, et al., "Haze level prior approach to enhance Object Visibility under atmospheric degradation," *Turkish Journal of Electrical Engineering and Computer Sciences*, **Tubitak publication, Doi: 10.3906/elk-2004-7, 2021**, 29(2), pp.994-1014, ISSN no. 1300-0632, **(Q3) Impact factor: 0.682.**
8. **T. R. Vijaya Lakshmi**, "Reduction of features to identify characters from degraded historical manuscripts," *Alexandria Engineering Journal*, **Elsevier publication, 2018, Vol. 57**, pp.2393-2399, ISSN no. 1110-0168, Doi: 10.1016/j.aej.2017.09.009. **(Q1) Impact factor: 3.72.**
9. **T. R. Vijaya Lakshmi** et al., "Feature selection to recognize text from palm leaf manuscripts," *Signal, Image and Video processing*, **Springer publication, 2018**, 12(2), pp. 223-229, ISSN no. 1863-1711, Doi: 10.1007/s11760-017-1149-9. **(Q2) Impact factor: 2.15.**
10. **T. R. Vijaya Lakshmi** et al., "A novel 3D approach to recognize Telugu palm leaf text," *International Journal of Engineering Science and Technology*, **Elsevier publication, 2017**, 20(1), pp. 143-150, ISSN no. 2215-0986, Doi: 10.1016/j.jestch.2016.06.006. **(Q1) Impact factor: 4.36.**
11. **T. R. Vijaya Lakshmi** et al., "Telugu character recognition for degraded palm leaf documents using optimal feature selection techniques – a 3D approach," *International Journal of Signal and Imaging Systems Engineering*, **Inderscience publication, Vol. 10, No. 5, 2017**, ISSN no. 1748-0698, Doi: 10.1504/IJSISE.2017.10008711. **(Q3)**
12. **T. R. Vijaya Lakshmi** et al., "Modeling of palm leaf character recognition using transform based techniques," *Pattern Recognition Letters*, **Elsevier publication, 2016**, vol.84, pp. 29-34, ISSN no. 0167-8655, Doi: 10.1016/j.patrec.2016.07.020. **(Q1) Impact factor: 3.75.**
13. **T. R. Vijaya Lakshmi** et al., "Feature optimization to recognize Telugu handwritten characters by implementing DE and PSO techniques," *International conference on Frontiers in Intelligent Computing Theory and Applications*, Lecture notes: **Advances in Intelligent Systems and Computing**, vol.516, no.2, **Springer, 2016**, pp. 397-405, ISBN no.: 978-981-10-3156-4. **(Q4)**

ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijayalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

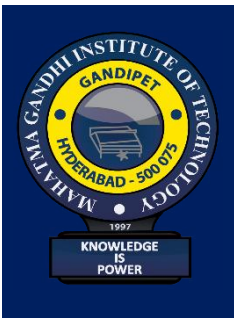
- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

EVENTS:

- Organized - 15
- Attended - 24

ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>



ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijyalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

EVENTS:

- Organized - 15
- Attended - 24

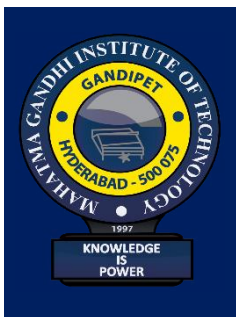
ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>

14. **T. R. Vijaya Lakshmi** et al., "A 3D Approach for Palm Leaf Character Recognition Using Histogram Computation and Distance Profile Features," International Conference on *Frontiers in Intelligent Computing Theory and Applications*, Lecture notes: *Advances in Intelligent Systems and Computing*, vol.516, no.2, **Springer**, 2016, pp. 387-395, ISBN no.: **978-981-10-3156-4**. (Q4)
15. **T. R. Vijaya Lakshmi** et al., "Analysis of Telugu Palm Leaf Character Recognition Using 3D Feature," **IEEE** International Conference on *Computational Intelligence and Networks (CINE)*, Bhubaneswar, Odisha, Jan. 2015, pp.36-41, ISSN no.: **2375-5822/15**. (Q4)
16. **T. R. Vijaya Lakshmi** et al., "Telugu Handwritten Character Recognition Using Zoning Features," **IEEE** International Conference on *IT Convergence and Security (ICITCS)*, Beijing, China, 2014, pp. 1-4, ISBN no.: **978-1-4799-6541**. (Q4)

ARTICLES INDEXED IN SCOPUS:

17. **T. R. Vijaya Lakshmi** et al., "An Smart Intelligence Performance Analysis Using ANN Classifiers For Soil Color Texture Identification." *International Journal of Intelligent Systems and Applications in Engineering* 12.1s (2024): 18-26.
18. **T. R. Vijaya Lakshmi** et al., "Designing Novel Routing Algorithms for Wireless Mobile Ad-Hoc Networks to Improve Their Enactment." *International Journal of Intelligent Systems and Applications in Engineering* 11.8s (2023): 526-535.
19. **T. R. Vijaya Lakshmi** et al., "An Efficient QRS Detection and Pre-processing by Wavelet Transform Technique for Classifying Cardiac Arrhythmia." *International Journal of Intelligent Systems and Applications in Engineering* 11.8s (2023): 490-498.
20. **T. R. Vijaya Lakshmi** et al., "Identification of Significant Clinical Attributes for Developing Heart Disease Prediction System." *International Journal of Intelligent Systems and Applications in Engineering* 11.8s (2023): 552-559.
21. **T. R. Vijaya Lakshmi** et al., "An effective Leveraging Ensembling Methods for High-Enactment Chronic Disease Prediction Systems." *International Journal of Intelligent Systems and Applications in Engineering* 11.8s (2023): 568-575.
22. **T. R. Vijaya Lakshmi** et al., "A Fusion Classification Prototypical for Eye State Recognition in Stroke Patients Using Electroencephalogram (EEG) Data." *International Journal of Intelligent Systems and Applications in Engineering* 11.8s (2023): 499-507.
23. **T. R. Vijaya Lakshmi** et al., "Hybrid Feature Selection Model for Computer Aided Diagnosis System in Lung Segmentation." *International Journal of Intelligent Systems and Applications in Engineering* 11.8s (2023): 517-525.
24. **T. R. Vijaya Lakshmi** et al., "A Machine Learning based Facial Expression and Emotion Recognition for Human Computer Interaction through Fuzzy Logic System." *2023 International Conference on Inventive Computation Technologies (ICICT)*. **IEEE**, 2023.
25. **T. R. Vijaya Lakshmi** et al., "Modeling of Patterns with Spectral Data and Time-Varying PSO to Identify Concealed Character Strokes of Historical Manuscripts," *Proceedings of International Conference on Data Science and Applications*, **Springer**, 2022, vol.287, pp. 471-482, Doi: 10.1007/978-981-16-5348-3_37.
26. **T. R. Vijaya Lakshmi** et al., "Dehaze model to improve Object Visibility under atmospheric degradation," *IEEE International Conference on Intelligent Sustainable Systems*, pp. 219-223, 2020, ISBN: 978-1-7281-7088-6.



ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijyalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

EVENTS:

- Organized - 15
- Attended - 24

ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>

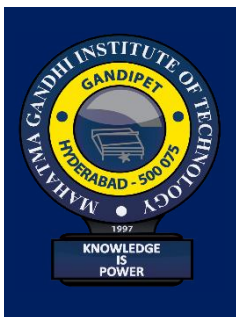
27. **T. R. Vijaya Lakshmi** et al., “Acoustic Emotion Recognition using Spectral Features,” *Soft Computing and Signal Processing*, Springer, 2021, pp. 579-586, Doi: 10.1007/978-981-33-6912-2_52.
28. **T. R. Vijaya Lakshmi** et al., “Historical text retrieval with spectral data and adaptive variants of bacterial foraging,” *Materials Today: Proceedings*, 2020, Doi: <https://doi.org/10.1016/j.matpr.2020.10.928>, ISSN: 2214-7853.
29. **T. R. Vijaya Lakshmi**, “Performance of Time-varying Particle Swarm Optimizer to detect cancers,” *Advances in Intelligent Soft Computing*, vol.768, pp.31-38, **2019**, Doi: 10.1007/978-981-13-0617-4_4.
30. **T. R. Vijaya Lakshmi** et al., “Object classification using SIFT algorithm and transformation techniques,” *Advances in Intelligent Soft Computing*, vol.768, pp.403-408, **2019**, Doi: 10.1007/978-981-13-0617-4_40.
31. **T. R. Vijaya Lakshmi**, “Two-level Gene selection to predict tumors,” *International Journal of Imaging and Robotics*, **Ceser publication**, Vol.18, no.2, **2018**, ISSN no. **2231-525x**.
32. **T. R. Vijaya Lakshmi** et al., “Analysis of Telugu palm leaf characters using multi-level recognition approach,” *Journal of Applied Engineering Science*, Vol. 10, no. 20, pp. 9258–9264, **2015**, ISSN no. **1451-4117**.
33. **T. R. Vijaya Lakshmi** et al., “Hybrid approach for Telugu handwritten character recognition using k-NN and SVM classifiers,” *International Review on Computers and Software*, **Praise Worthy Prize publication**, Vol. 10, no. 9, pp. 923–929, **2015**, ISSN no. **1828-6003**, Doi: 10.15866/irecos.v10i9.7249.

BOOKS/MONOGRAPHS PUBLISHED:

1. **T. R. Vijaya Lakshmi**, “Image Enhancement techniques and their applications,” published by LAMBERT Academic Publishing, Germany, May 2018, **ISBN no. 978-613-9-83339-9**.
2. **T. R. Vijaya Lakshmi**, “Detection and tracking of a human face from videos,” published by Scholars’ Press, Germany, March 2018, **ISBN no. 978-620-2-30871-7**.
3. **T. R. Vijaya Lakshmi**, “Identification of target objects in war filed,” published by LAMBERT Academic Publishing, Germany, Nov. 2017, **ISBN no. 978-620-2-07355-4**.
4. **T. R. Vijaya Lakshmi**, “Detection of tumors using statistical measures,” published by LAMBERT Academic Publishing, Germany, Sept. 2017, **ISBN no. 978-620-2-05285-6**.

INVITED TALKS:

1. Delivered Expert talks in One week short term course on “**MOOCs, E-Content Development and Online Pedagogy**” organized by UGC, HRDC, JNTUH during **16 -21 Oct. 2023**.
2. Delivered Expert talks in **Research Methodology** course organized by UGC, HRDC, JNTUH during **11 - 16 Sept. 2023**.
3. Delivered Expert talks in “**Faculty Induction Programme-14**” organized by UGC, HRDC, JNTUH during **07 Aug. – 09 Sept. 2023**.
4. Delivered Expert talks in “**Faculty Induction Programme-13**” organized by UGC, HRDC, JNTUH during **19 June – 21 July 2023**.
5. Delivered Expert talks in “**Faculty Induction Programme-12**” organized by UGC, HRDC, JNTUH during **13 Feb. – 16 March 2023**.
6. Delivered Expert talks on “Content search methods for Research and 2. Introduction to LaTeX” in **Research Methodology** course organized by UGC, HRDC, JNTUH during **12 - 17 Dec. 2022**.
7. Delivered Expert talks on “1. Empowering Access to Research and 2. Plagiarism Dos and Don’ts” in “**Faculty Induction Programme-11**” organized by UGC, HRDC, JNTUH during **21 Nov – 21 Dec. 2022**.



ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijayalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

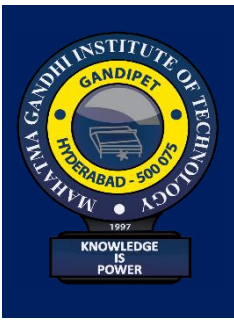
EVENTS:

- Organized - 15
- Attended - 24

ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>

- Delivered Expert talks on “1. Software Tools for Plagiarism check and 2. Empowering Access to Research” in One week short term course on “**MOOCs, E-Content Development and Online Pedagogy**” organized by UGC, HRDC, JNTUH during **31 Oct. – 5 Nov. 2022**.
- Delivered Expert talks on “1. Empowering Access to Research and 2. Software Tools for Plagiarism check, in “**Faculty Induction Programme-10**” organized by UGC, HRDC, JNTUH during **22 Aug. – 22 Sept. 2022**.
- Delivered Expert talks on “1. Empowering Access to Research – Altmetrics; 2. Plagiarism- Dos and Don'ts”, in “**Faculty Induction Programme-9**” organized by UGC, HRDC, JNTUH during **23 May - 22 June 2022**.
- Delivered Expert talk on “Knowledge Sharing Models” in FDP “**Research Methodology and IPR**” organized by Department of ECE, JNTUH during **22 - 25 March 2022**.
- Delivered Expert talks on “1. Content Search Approaches for Research; 2. Plagiarism-Dos and Don'ts”, in “**Research Methodology**” course organized by UGC, HRDC, JNTUH during **24 - 31 Jan. 2022**.
- Delivered Expert talk on “**Open Knowledge Systems**”, organized by ACE Engg. College in association with **Swecha State Conference** for Academicians and Researchers on **07 Dec. 2021**.
- Delivered Expert talk on “Plagiarism: Types, issues and consequences, Software tools for Plagiarism check”, in “**Faculty Induction Programme-6**” organized by UGC, HRDC, JNTUH during **30 August - 08 Oct. 2021**.
- Delivered Expert talks on “1. Empowering Access to Research- Altmetrics; 2. Plagiarism-Dos and Don'ts”, in “**Faculty Induction Programme-5**” organized by UGC, HRDC, JNTUH during **12 July - 18 Aug. 2021**.
- Delivered Expert talks on “1. Empowering Access to Research- Altmetrics; 2. Plagiarism-Dos and Don'ts”, in “**Online Faculty Induction Programme for Research scholars**” organized by UGC, HRDC, JNTUH during **28 June - 04 August 2021**.
- Delivered Expert talks on “1. Empowering Access to Research- Altmetrics; 2. Plagiarism-Dos and Don'ts”, in “**Faculty Induction Programme-4**” organized by UGC, HRDC, JNTUH during **10 Feb - 09 March 2021**.
- Delivered Expert talk on “Plagiarism: Types, issues and consequences, Software tools for Plagiarism check”, in “**Faculty Induction Programme-3**” organized by UGC, HRDC, JNTUH during **02 Nov - 08 Dec 2020**.
- Delivered Expert talk on “Plagiarism: Types, issues and consequences, Software tools for Plagiarism check”, in “**Faculty Induction Programme-2**” organized by UGC, HRDC, JNTUH during **21 Sept - 29 Oct. 2020**.
- Delivered Expert talk on “ANN Vs CNN and CNN with Data Augmentation and Dropout”, in the **Short Term Training Program- Phase-2** “Research Avenues in Machine Learning Approaches for Pattern Recognition”, organized in MGIT sponsored by AICTE during **21 - 26 Sept. 2020**.
- Delivered Expert talk on “CNN with Data Augmentation and Dropout using Tensorflow”, in the **Short Term Training Program- Phase-1** “Research Avenues in Machine Learning Approaches for Pattern Recognition”, organized in MGIT sponsored by AICTE during **24 - 29 August 2020**.
- Delivered Expert talk on “**FOSS Alternatives for Web Conferencing**” in a 2-Day Webinar on “E-Resources for Teaching and Learning in association with IQAC”, organized by Avanthi Group of Institutions during **12 - 13 Aug. 2020**.
- Delivered Expert talks on “1. Content Search Approaches for Research”; 2. Plagiarism - Dos and Don'ts”, in Two-week Refresher course “**Research Methodology**” organized by UGC, HRDC, JNTUH during **14 - 26 October 2019**.
- Delivered Expert talks on “1. Content Search Approaches for Research”; 2. Research Ethics – Plagiarism - Dos and Don'ts”, in the FDP “**Research Methodology and IPR**”, organized by UGC, JNTUH sponsored by AICTE during **05 - 09 August 2019**.
- Delivered Expert lecture on “Knowledge Sharing - Trends in Open Access” in the FDP “**Contemporary Research and IPR**”, organized in JNTUH sponsored by TEQIP-III during **28 Jan - 01 Feb 2019**.
- Delivered Expert lecture on “LaTeX and Beamer for Publications and Presentations” in the FDP “**Adoption of FOSS for Effective Teaching and**



ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijayalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

EVENTS:

- Organized - 15
- Attended - 24

ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>

Learning in Engineering”, organized in CMRCET in association with Swecha during **18 - 23 June 2018**.

27. Delivered Expert lecture on “Image Transformations and its applications” in the FDP “**Research trends in Digital Image and Video Processing**”, organized in MGIT sponsored by AICTE during **04 - 16 Dec. 2017**.
28. Delivered Expert lecture on “Fuzzy Inference system and its application in Invisible Digital water marking” in the FDP “**Recent trends in Digital Image and Video Processing**”, organized by MGIT during **22 - 27 Feb. 2016**.

EVENTS ORGANIZED:

Conferences:

1. **2nd International Conference** on “Advances in Signal Processing and Communication Engineering”, during **28 – 29 April 2023**.
2. **1st International Conference** on “Advances in Signal Processing and Communication Engineering”, during **29 – 31 July 2021**.
3. **Swecha State Conference** for Academicians and Researchers on **28 Nov. 2021**.

FDPs/STTPs:

4. Organized **One week Short Time Course** on “**Deep Learning**” in association with NITTTR, Chandigarh, during 11 – 15 Sept. 2023.
5. Organized **One week Virtual International Faculty Development Program** on “**Smart Tools and Methodologies for Academic Research**” in association with Swecha, during 01 – 05 August 2022.
6. Organized a **Two-Day Faculty Development Program** on “**Contemporary Research Methodology**”, during 07 - 08 Sept. 2021.
7. Organized **Phase-3 STTP** sponsored by AICTE “Research Avenues in Machine Learning Approaches for Pattern Recognition”, during 02 – 07 Nov. 2020.
8. Organized **Phase-2 STTP** sponsored by AICTE “Research Avenues in Machine Learning Approaches for Pattern Recognition”, during 21 -26 Sept. 2020.
9. Organized **Phase-1 STTP** sponsored by AICTE “Research Avenues in Machine Learning Approaches for Pattern Recognition”, during 24 -29 August 2020.
10. Organized a **Two-Day Faculty Development Program** on “**Effective Technical Report Writing using LaTeX**” in association with Swecha, during 08 - 09 June 2020.
11. Organized a **Two-week Faculty Development Program** sponsored by AICTE on “**Research Trends in Digital Image and Video Processing**” during 04 -16 Dec. 2017.
12. Organized a 2-Day Workshop on “**Data Science using Python**” during 01 - 02 Feb 2019.
13. Organized Technical symposium “**Microcosm 2019**” in March 2019.

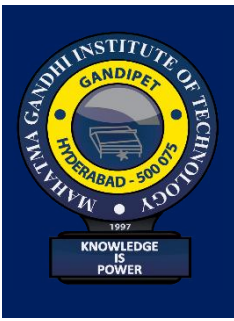
Webinars/ Seminars/ Guest Lecture:

14. Organized a Guest lecture on “**Artificial Intelligence**” on 07 July 2021.
15. Organized a Seminar on “**Aptitude Training and Career Guidance**” on 14 Aug. 2018 in association with Team BYJU’s.

EVENTS ATTENDED

FDPs/STTPs/Conferences:

1. “Deep Learning”, organized by NITTTR, Chandigarh, from 11 – 15 Sept. 2023.
2. “Sustainable Development Goals: Challenges and Opportunities”, organized by CBIT in association with NITTTR, Chandigarh, from 21 – 28 Aug. 2023.



ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijayalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

EVENTS:

- Organized - 15
- Attended - 24

ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>

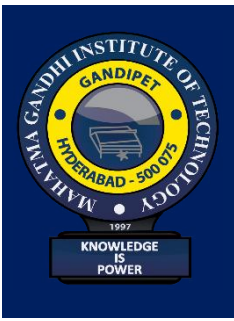
3. International Symposium on “Recent Trends in IT”, organized by CSI-VSIT, Vidyalankar School of IT, Mumbai, from 28 Feb - 04 March 2022.
4. “Research Tools and Techniques”, organized by Dayanand Sagar College of Arts, Science and Commerce, from 27 - 29 Jan 2022.
5. Attended “Swecha State Conference for Academicians and Researchers” held on 28 Nov. 2021.
6. “Research Tools and Methodologies”, organized by Lendi Institute of Engineering and Technology, from 27 Sept. - 01 Oct. 2021.
7. “E-Shodhyatra: Emerging Trends & Technologies in Scholarly Communication”, organized by VES college of Arts, Science & Commerce; 23 Nov. - 04 Dec. 2020.
8. “Computational Techniques in Image and Signal Processing”, SLIET, Longowal, Punjab; 28 Sept. – 03 Oct. 2020.
9. ATAL FDP on “Artificial Intelligence using Python”, organized by Govt. College of Engg. And Ceramic Tech., Makaut; 14 -19 Sept. 2020.
10. “Adoption of FOSS for Effective Teaching and Learning”, organized by CMRCET from 18 - 23 June 2018.
11. “Implementation of Induction program” organized by TEQIP, JNTUH during 17-19 March 2018.
12. “Introduction to Robotics” organized by IIT Bombay, April- May 2018.
13. “Research Trends in Digital Image and video processing” organized by MGIT from 04 - 16 Dec 2016.
14. Refresher Course on “Data Mining Techniques” organized by UGC, JNTUH during 17 Oct - 05 Nov. 2016.
15. “Recent Trends in Digital Image and Video processing” organized by MGIT from 22 to 27 Feb 2016.
16. “Technical Communication” organized by IIT Bombay, 08 Oct. – 05 Dec. 2015.
17. “Image processing and its applications”, organized by MGIT from 15 - 19 Dec 2014.
18. “Research Methodology”, organized by R & D, JNTUH from 16 - 21 Dec. 2013.
19. “Orientation Programme”, organized by MANUU from 09 May - 05 June 2013.
20. “Mathematical methods for image processing”, organized by CBIT during 05 - 06 March 2013.
21. “ECAD/VLSI Design”, organized by MGIT during 06 - 08 Sept. 2012.
22. Refresher Course on “Open Collaborative Research with Emphasis on Engg.” organized by UGC, JNTUH from 02 - 23 Dec. 2011.
23. 15 days software Industry oriented summer camp, organized by Swecha and CBIT from 16 - 30 June 2010.
24. “Applications of Electronic Design Automation Tools in Chip Design”, organized by Vasavi College of Engg., during 16 - 28 Nov. 2009.

Online Certifications:

1. “Introduction to Robotics” by IIT Bombay, MHRD.
2. Coursera Specialization on “Deep learning”, during May - June 2020.
3. Coursera Specialization on “Convolutional Neural Networks in Tensorflow”, during July – Oct 2020.
4. Udemy – “Modern Natural Language Processing”.
5. Udemy – “Support Vector Machines”.
6. NPTEL – “Machine Learning; Data analytics with Python” from Aug – Oct 2018.
7. NPTEL – “Internet of Things” from Jan – April 2019.

Any Other Contributions:

1. Mentored a project titled “*Digital Signature*” for the students of ECE in *Smart India Hackathon 2018* program organized by AICTE under the aegis of **MHRD**.
2. **E-content** developed beyond the Curriculum:
3. “**Effective Technical Report Writing using LaTeX**” for Research scholars and faculty.



4. “Research Avenues in Machine Learning approaches for Pattern Recognition” for Research scholars and faculty.
5. “Digital Signal Processing using Python” for UG & PG students.
6. “Image and Speech Processing lab” for UG & PG students.
7. Participated in **MHRD sponsored online e-Yantra Task Based Training (Lab set up initiative) program** organized by **IIT-Bombay** during April - May 2018. Upon successful completion of the expected tasks assigned by them, awarded with a **Robotics kit (Fire Bird V)**. This kit can be utilized by the students of *ECE, CSE and Mechanical* to do their projects in *Embedded Systems lab, ECE Dept., MGIT*.

ADDRESS: C - 308

JNTUH ID: 25150330-153821

Vidwan ID: 408359

Researcher ID: AAP-1431-2020

SCOPUS ID: 56480703300

ORCID: 0000-0002-1197-2935

Google Scholar ID: 9KQ-TOIAAAAJ

EMAIL:

- trvijayalakshmi_ece@mgit.ac.in

DATE OF JOINING: 05-07-2007

EXPERIENCE: 20 Years

- Teaching - 20
- Research - 5

CREDENTIALS:

- Publications – 33
- Projects – 1
- Books/Monographs – 4
- Honors/Awards – 1
- Invited Talks – 28

EVENTS:

- Organized - 15
- Attended - 24

ACADEMIC SOCIAL WEBSITES:

- <https://www.researchgate.net/profile/Vijaya-Tr>
- <https://www.linkedin.com/in/dr-t-r-vijaya-lakshmi-a67470155/>