



# M. Chandrakala

## Assistant Professor



Education Qualifications: M.E. (Ph.D)  
Specialization: Digital Systems

### ADDRESS:

- C – Block -Room No: 308

### JNTUH ID:

46150402-102233

### EMAIL:

mchandrakala\_ece@mgit.ac.in

### DATE OF JOINING:

01-10-2004

### EXPERIENCE - 20 Years

- Teaching - 20

### SUMMARY:

- Publications - 9
- Conferences - 2

### EVENTS:

- Organized - 1
- Attended - 39

### Membership of Professional Bodies:

1. Student member in IEEE
2. Member in WIE

### Responsibilities Held at Institution Level:

1. Member of Anti-ragging committee

### Responsibilities Held at Department Level:

1. Consumable in-charge
2. In-charge of EDC Lab

### Courses Handled at Under Graduate /Post Graduate Level:

**UG:** Switching theory and logic design, Linear Digital Integrated Circuits and Applications, Electronic Devices and Circuits, Control Systems, Electronic Circuit Analysis, Microprocessor, and microcontroller.

### Publications:

1. P Durga Devi and M Chandrakala, "Prediction of Air Quality Index using Regression Models- A Case Study on Hyderabad, India", Design Engineering, ISSN:0011-9342, pp. 1061-1071,2021.
2. M Chandrakala and P Durga Devi, "Two-stage classifier for face recognition using HOG features", Materials Today: Proceedings, 2214-7853, April 2021.
3. M Chandrakala and P Durga Devi, "Image Analysis of Sauvola and Niblack Thresholding Techniques", International Journal for Research in Applied Science & Engineering Technology, ISSN:2321-9653, May 2021.
4. M Chandrakala and P Durga Devi, "Threshold Based Segmentation Using Block Processing", International Journal of Innovative Research in Computer and Communication Engineering, ISSN (Online): 2320-9801, ISSN (Print): 2320-9798, Vol. 4, Issue 1, January 2016.
5. M Chandrakala and P Durga Devi, "Qualitative Comparison of Threshold based Segmentation Techniques", International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), ISSN: 2278 – 909X, Volume 5, Issue 1, January 2016.
6. P Durga Devi and M Chandrakala, "Morphological based Segmentation and Recognition of Indian Coins", SSRG International Journal of Electronics and Communication

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Engineering (SSRG-IJECE), ISSN: 2348 – 8352, Volume 3 Issue 2– February 2016.

7. M Chandrakala and P Durga Devi, “Transition Region-Based Thresholding using Maximum Entropy and Morphological Operations”, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), ISSN: 2278 – 909X, Volume 5, Issue 5, May 2016.
8. M.Chandrakala, International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, Volume 35 Number 9 - May 2016, “Comparative Study and Image Analysis of Local Adaptive Thresholding Techniques”
9. M.Chandrakala , International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), ISSN: 2278 – 909X , Volume 5, Issue 5, May 2016, “Transition Region-Based Thresholding using Maximum Entropy and Morphological Operations”.

**Conferences:**

1. “Face Recognition using Cascading of HOG and LBP Feature Extraction” in the 4<sup>th</sup> International Conference on Soft Computing and Signal Processing, June 2021.
2. “Air Quality Prediction using Ensemble Machine Learning Algorithm”, at 1<sup>st</sup> International Conference on Advanced Computing Techniques, May 2021.

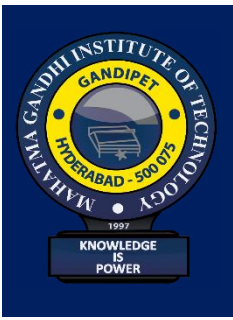
**Events Organized:**

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

1. “One-week Training Programme on Microprocessors & Microcontrollers”, at the Electronics and Communication Engineering department, MGIT from 12-05-2014 to 17-05-2014. Two

**Events Attended**

1. FDPs/STTPs: Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Deep learning for computer vision" from 03/01/2022 to 07/01/2022 at Manipal University, Jaipur.
2. Attended one week FDP on “Role of Machine learning in VLSI Design” from 06/12/2022 to 10/12/2022 at Anurag University ,Hyderabad
3. Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Computer vision past, present, future " from 06/12/2022 to 10/12/2022 at SCTR Pune Institute of Computer Technology
4. Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Exploring Machine Learning



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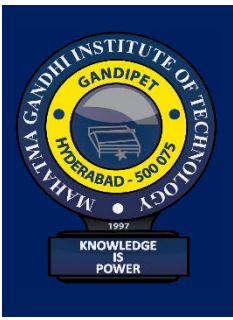
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Algorithms for Natural Language Processing Applications " from 22/11/2021 to 26/11/2021 at VNRVJIT

5. Attended AICTE sponsored one-week STTP on “Internet of Things Machine Learning”, organized by department of Electronics and Communication Engineering, GPREC(A), Kurnool during 20-09-2021 to 25-09-2021.
6. Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "DEEP LEARNING FOR COMPUTER VISION" from 23/08/2021 to 27/08/2021 at Panimalar Engineering College.
7. Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Deep learning for computer vision" from 26/07/2021 to 30/07/2021 at KIET GROUP OF Institutions.
8. Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Applied Machine Learning" from 21/07/2021 to 25/07/2021 at Indian Institute of Technology Ropar.
9. Attended AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "Machine Learning and Computer Vision" from 05/07/2021 to 09/07/2021 at Vignans Foundation for Science Technology and Research University. Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 05/10/2020 to 09/10/2020 at Central University of Tamil Nadu.
10. Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 28/09/2020 to 02/10/2020 at IFET COLLEGE OF ENGINEERING.
11. Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 21/09/2020 to 25/09/2020 at Rajkiya Engineering College Sonbhadra.
12. Attended AICTE sponsored one-week STTP on “Research Avenues in Machine Learning approaches for Pattern Recognition”, organized by department of Electronics and Communication Engineering, MGIT, during 24-08-2020 to 29-08-2020.
13. Attended AICTE sponsored one-week STTP on “Wireless Communication -Future IoT”, organized by department of Electronics and Communication Engineering, Vardhaman College of Engineering, during 20-07-2020 to 25-07-2020.
14. FDP on "Skill development effective Research and teaching ", organized by Anil Neerukonda Institute of Technology and Sciences from 8/6/2020 to 12/6/2020.
15. FDP on "Effective Technical Report Writing Using LaTeX", organized by Mahatma Gandhi Institute of Technology on 8/6/2020 & 9/6/2020.



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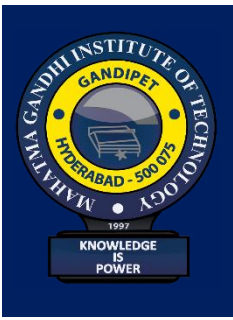
16. FDP on "Data science using python", organized by Chalapathi Institute of Technology from 29/5/2020 to 2/6/2020.
17. An NPTEL course "Switching Theory and Logic Design" (12 Weeks) on the SWAYAM platform funded by Ministry of HRD during Jul-Oct 2019.
18. FDP on "RF Antenna Design" from 19-07-2017 to 24-07-2017, organized by NIT Warangal.
19. FDP on "Recent Trends in Digital Image and Video Processing", organized by department of Electronics and Communication Engineering, MGIT, from 22-02-2016 to 27-02-2016.
20. A 2-week FDP on "Hands-on with ARM-Programming Embedded Systems", organized by C-DAC, Hyderabad from 04-05-2010 to 14-05-2010.

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

1. Refresher Course on "Strategies for Research Oriented Teaching" conducted by UGC-ASC, JNTU-Hyderabad from 19-05-2014 to 07-06-2014.

**Online Certifications:**

1. A 6-Week online Course on " Machine Learning Foundation -A case study Approach", through Coursera Online Platform.
2. A 4-Week online Course on "Python programming Essentials", through Coursera Online Platform.
3. A 9-Week online Course on "Introduction to programming with MATLAB", through Coursera Online Platform.
4. A 7-Week online Course on "Programming for Everybody (Getting Started with Python)" through Coursera Online Platform.
5. A 4-Week online Course on "Introduction to Applied Machine Learning", through Coursera Online Platform.
6. A 4-Week online Course on "Machine Learning for All", through Coursera Online Platform.
7. A 4-Week online Course on "Logistic Regression with NumPy and Python", through Coursera Online Platform.
8. A 4-Week online Course on "Python Programming: A Concise Introduction", through Coursera Online Platform.
9. A 4-Week online Course on "Python Data Representations", through Coursera Online Platform.
10. A 6-Week online Course on "Python Data Analysis", through Coursera Online Platform.
11. A 1-Week online Course on "Linear Regression with Python", through Coursera Online Platform.
12. A 1-Week online Course on " Covid 19 Data Analysis With Python", through Coursera Online Platform.



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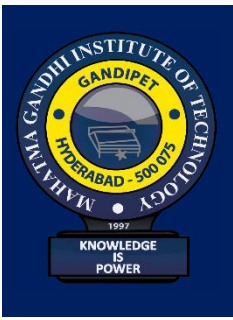
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13. A 1-Week online Course on “Exploratory Data Analysis with Seaborn”, through Coursera Online Platform.
14. A 1-Week online Course on “COVID 19 Data Visualization using Python”, through Coursera Online Platform.
15. A 1-Week online Course on “Logistic Regression with Python and Numpy”, through Coursera Online Platform.
16. A 1-Week online Course on “Support Vector Machine Classification in Python”, through Coursera Online Platform.
17. A 4-Week online Course on “Machine Learning for All”, through Coursera Online Platform.
18. A 4-Week online Course on “Introduction to Applied Machine Learning”, through Coursera Online Platform.

**Any Other Contribution:**

1. Got qualified in UGC NET.



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