

**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING &
TECHNOLOGY**



Name:Dr.Chalumuru Suresh

Designation: Assistant Professor

Department: Computer Science & Engineering

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AICTE Id : 1-3363947225

Date of Birth:09/08/1989

Experience (in years): Teaching: 9 years Research: Others (if any, specify):

1. Educational / Technical qualifications:

| S.No | Level (UG / PG / Ph.D) | Year of passing | Specialization |
|------|------------------------|-----------------|----------------|
| 1 | B.Tech | 2010 | CSE |
| 2. | M.Tech | 2012 | IT |
| 3. | Ph.D. | 2017 | CSE |

2. Teaching and Learning:

- 2.1. Teaching Interests: Artificial Intelligence, Machine Learning, Data Mining, DBMS, Programming languages, Computer networks, Computer Organization, etc.
- 2.2. Novel Teaching & Learning Techniques adopted: WIT & WIL and PPT's
- 2.3. Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- Ready to take any challenge
- To motivate students towards learning recent trends and technologies
- Positive attitude

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counselling and Mentoring Activity: For UG students

3.5. Committees involved in:

Department level: NIRF Coordinator, Research Committee, Projects Coordinator

4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted: 3

- Fdp on Natural Language Processing in collaboration with NIT-Patna from 06-01-2020 to 10-01-2020
- As a proctor Coordinator Conducted Data Science for All, in collaboration with NIT-Patna from 27 Jul – 7 Aug 2020
- FDP on Robotics & AI in collaboration with NIT-Patna from **(June 24-28, 2019)**

4.2 Attended:

- Completed 3 day preconference workshop(ICACECS 2020) “Machine Learning and Artificial Intelligence using Python”(Aug 12 to 14)
- Recent Advancements in Machine Learning and Deep Learning Organised by Department of CSE in collaboration with VNR CSI SC during 26th to 30th April 2021.
- Completed AICTE STTP on Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python **16th - 21st November 2020** organized by the Department of IT, VNRVJIET
- Attended a 10 days FDP Programme on Database Management Systems organized by NIT Warangal , held on 17-27 August 2015
- Attended a 5 day workshop organized by KIIT University Bhubaneswar titled "*Computational Intelligence*", held on 24-28 June 2014
- Attended a two day Workshop organized by GITAM UNIVERSITY TITLED “Research Methodology”, held on 16th-17th November 2013
- Attended a 3 day workshop organized by NIT Warangal titled “*Introduction to Graph and Geometric Algorithms*” held on 23-25 October 2013
- Attended a 2day workshop organized by JNTUK University College of Engineering Vizianagaram “*Recent Research Trends in Computer Science & Information Technology*” held on 21-22 June 2013.
- Attended a 2 day national workshop on *Cyber forensics* 26th April 2013-27th April 2013 at Andhra university
- Participated in national seminar on “*Soft-Computing*” organized by Dept. of Compute Science and Engineering, GIT, GITAM University on 22nd and 23rd march 2013.
- Attended a 2day workshop organized by C.R.Reddycollege,Eluru titled “*Data Mining and Business Intelligence system*”.
- Participated in a National conference on Emerging Trends in Engineering and Technology at Nawab Shah AlamKhan Engineering and Tecnology held on 17-18 December 2016

- Attended a three day workshop on Recent Trends in Image and Video Processing at VNRVJIET held on 20-22 March 2017
- Attended a 5 days FDP on “*Natural Language Processing*” organized by E & ICT Academy, 6-10 January 2020

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

5.3. Books published single author or as editor: Nil

5.4. Projects Guided:

a) UG: 18

b) PG: 03

5.5. Research Interests: Data Analytics, Computer Vision

5.6. Ph.D. Students:

a) Enrolled: Nil

b) Submitted: Nil

c) Awarded: Nil

5.7. Papers published in reviewed journals:

| S.No | Title of the Paper | Journal Name Vol.No. PP | ISBN/ISSN No. | Impact Factor/ Citation Index | National/ International |
|------|--|--|---------------------------------|----------------------------------|----------------------------|
| 1 | Medi Smart: An NLP driven intelligent medical assistant | International Journal of Health Sciences Pg8593-8608 | ISSN 2550-6978 E-ISSN 2550-696X | | International |
| 2 | A Novel Approach to Predict the Reason for Baby Cry using Machine Learning | International Journal of Computer Science Trends and Technology (IJCT) | | | International |

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|---|---|--|----------------|------------|---------------|
| 3 | Classification of X-ray Images for Pulmonary Diseases Using Deep Learning Techniques | International Journal of Intelligent systems and applications in engineering | ISSN:2147-6799 | | International |
| 4 | Predicting students' transformation to maximum depressive disorder and level of suicidal tendency | International Journal of Advanced Science and Technology | 2005-4238 | H-Index:04 | International |
| 5 | Accurate and timely prediction of rice crop disease by means of machine learning algorithms | International Journal of Advanced Science and Technology Vol. 28, No. 13, (2019), pp. 662-671 | 2005-4238 | H-Index:04 | International |
| 6 | Prediction of Epidemic Outbreaks in Specific Region using Machine Learning | International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-4, February 2020 | 2278-3075, | | International |
| 7 | Machine Learning Approach for Breast Cancer Prediction | International Journal of Recent Technology and Engineering (IJRTE), Volume-8, Issue-1, May-2019 | 2277-3878 | | International |
| 8 | Prototype for Analytic Procedures in Bio- | International Journal of | 1314-3395 | H-Index:23 | International |

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|----|--|--|-----------------|------------|---------------|
| | Informatics Data Evaluation | Pure and Applied Mathematics Volume 118 No. 20 2018, 839-851, | | | |
| 9 | Big Data Analytics: Challenges, Tools and limitations | Vol. 6, Issue 3, pp.40-43 | ISSN: 2321-0861 | SJIF:2.19 | International |
| 10 | A Method to Enhance Money Laundering detection using Link Analysis | Vol. 5, Issue 11, pp.240--245 | ISSN: 2278-128X | 2.5 | International |
| 11 | A Hybrid approach for detecting Suspicious accounts using Data Mining Techniques | Volume: 08 Issue: 05, pp.37--43. | ISSN: 2074-9015 | 0.71 | International |
| 12 | A Graph based approach to identify suspicious accounts in the Layering stage of Money Laundering | Vol. 1 No. 1, pp.81-87 | ISSN: 0975-4172 | 2.5 | International |
| 13 | Prototype Analysis for Business Intelligence Utilization in Data Mining Analysis | International Journals of Advanced Research in Computer Science and Software Engineering | 2277-128X | | International |
| 14 | Representing the Data Used for Money Laundering Detection in RDF and Providing a | Jour of Adv Research in Dynamical & Control Systems, Vol. | 1943-023X | H-Index:17 | International |

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|----|---|---|-------------------|------------|---------------|
| | Natural Language Query Interface | 10, 03-Special Issue, 2018 | | | |
| 15 | Advanced Methods for Diabetes Monitoring of Elderly and Disabled Persons Using Internet of Things (IOT) | Jour of Adv Research in Dynamical & Control Systems, Vol. 07 -Special Issue, 2018 | 1943-023X | H-Index:17 | International |
| 16 | Automation Enhanced Green Campus Initiative | Volume: 10 Issue: 02, Feb 2023 | e-ISSN: 2395-0056 | | International |

5.8. Papers presented at National / International Conferences:

| S.No | Title of the Paper | Names of the Conference/ Seminars | National/ International | Period |
|------|--|---|-------------------------|--------|
| 1 | Diagnose Colon and Lung Cancer Histopathological Images Using Pre-Trained Machine Learning Model | 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) | International | |
| 2 | A Study on Cross-Lingual Speech Emotion Analysis using Natural Language Processing | 2 nd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023) 23-25 March 2023 https://doi.org/10.1109/ICSCDS56580.2023.10105094 | International | |
| 3 | Classification of the suicide related Text data using Passive Aggressive Classifier | Sentimental Analysis and Deep Learning. Advances in Intelligent Systems and Computing, vol 1408. Springer, Singapore. https://doi.org/10.1007/978-981-16-5157-1_34 | International | |
| 4 | Analysis and Prediction of Air Pollutant Using | Proceedings of Second International Conference on Advances in Computer Engineering and Communication Systems. Algorithms for | International | |

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|----|---|--|------------------------------|-------------------|
| | Machine Learning | Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-7389-4_32 | | |
| 5 | Obesity Prediction Based on Daily Lifestyle Habits and Other Factors Using Different Machine Learning Algorithms | Proceedings of Second International Conference on Advances in Computer Engineering and Communication Systems. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-7389-4_32 | International | |
| 6 | An Automated Rescue and Service System with Route Deviation using IoT and Blockchain Technologies | 2021 IEEE Mysore Sub Section, International Conference (MysuruCon), 2021, pp. 582-586, doi: 10.1109/MysuruCon52639.2021.9641574. | International | |
| 7 | Paddy Crop Monitoring System Using IoT and Deep Learning | Innovative Data Communication Technologies and Application. Lecture Notes on Data Engineering and Communications Technologies, vol 96. Springer, Singapore. https://doi.org/10.1007/978-981-16-7167-8_58 | International | |
| 8 | Predicting Type of Lung Cancer by Using K-MLR Algorithm | Intelligent System Design. Advances in Intelligent Systems and Computing, vol 1171. Springer, Singapore. https://doi.org/10.1007/978-981-15-5400-1_39 | International | |
| 9 | Cognitive IOT-Based Smart Fitness Diagnosis and Recommendation system using 3-dimensional CNN with Hierarchical Particle Swarm Optimization | Smart Sensors for Industrial Internet of Things 147-160, Springer, | International (Book Chapter) | |
| 10 | Prediction of rice plant diseases based on soil and | ICACECS 2020 | International | 13-14 August 2020 |

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|----|---|--|---------------|---------------------|
| | weather conditions | Springer, 2662-3447/ 978-981-15-9292-8 | | |
| 11 | Vocal Analysis to Predict Suicide Tendency | ICACECS 2020 Springer, 2662-3447/ 978-981-15-9292-8 | International | 13-14 August 2020 |
| 12 | Mobile Medical Card – An Android Application for Medical Data Maintenance | Proceedings of the Second International Conference on Inventive Research in Computing Applications (ICIRCA-2020), 978-1-7281-5374 ©2020 IEEE | International | 15-17 July 2020 |
| 13 | A Neural Network based Model for Predicting Chronic Kidney Diseases | Proceedings of the Second International Conference on Inventive Research in Computing Applications (ICIRCA-2020), 978-1-7281-5374 ©2020 IEEE | International | 15-17 July 2020 |
| 14 | Image Processing based on Emotive and Performance Management System | Proceedings of the Third International Conference on Electronics Communication and Aerospace Technology [ICECA 2019] IEEE Conference Record # 45616; IEEE Xplore ISBN: 978-1-7281-0167-5 | International | 12-14 June 2019 |
| 15 | “HEALTH STUDIO” – An Android Application for Health Assessment | ICCBI-2019 | International | 19-20 December 2019 |
| 16 | A Comparative Study on Gene Functional Analysis Based on Gene Relations | Proceedings of the 2017 International Conference on Information Technology | International | 27-29 December 2017 |
| 17 | Enabling Smart Cities through the frame work of IOT | Emerging Trends in Engineering and Technology | National | 17-18 December 2016 |

5.9. Sponsored research Projects: Nil

| S.No | Title | Agency | Period | Grant amount | Ongoing / Completed |
|------|-------|--------|--------|--------------|---------------------|
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5.10 Consultancy Projects: Nil

| S.No | Title | Agency | Period | Sanctioned Amount | Ongoing / Completed |
|-------------|--------------|---------------|---------------|--------------------------|----------------------------|
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6. Awards / Honors received: