VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

KNOWLEDGE ASSET 2020-21

Name: Dr.Chalumuru Suresh
Designation: Assistant Professor
Department: Computer Science & Engineering
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Experience (in years):   Teaching: 6 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: Research Committee, Projects Committee,Technical Publications

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 "S*oft-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 publishedinBooks: Nil

5.3. Books published singleauthororaseditor: Nil

5.4. Projects Guided:

      a) UG:15

      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	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

2	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
3	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
4	Machine Learning Approach for Breast Cancer Prediction	International Journal of Recent Technology and Engineering (IJRTE), Volume-8, Issue-1, May-2019	2277-3878		International
5	Prototype for Analytic Procedures in Bio-Informatics Data Evaluation	International Journal of Pure and Applied Mathematics Volume 118 No. 20 2018, 839-851,	1314-3395	H-Index:23	International
6	Big Data Analytics:Challenges,Tools and limitations	Vol. 6, Issue 3,pp.40-43	ISSN: 2321-0861	SJIF:2.19	International
7	A Method to Enhance Money Laundering detection using Link Analysis	Vol. 5, Issue 11, pp.240--	ISSN: 2278-128X	2.5	International

		245			
8	A Hybrid approach for detecting Suspicious accounts using Data Mining Techniques	Volume: 08 Issue: 05, pp.37--43.	ISSN: 2074-9015	0.71	International
9	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
10	Prototype Analysis for Business Intelligence Utilization in Data Mining Analysis	International Journals of Advanced Research in Computer Science and Software Engineering	2277-128X		International
11	Representing the Data Used for Money Laundering Detection in RDF and Providing a Natural Language Query Interface	Jour of Adv Research in Dynamical & Control Systems,Vol. 10, 03-Special Issue, 2018	1943-023X	H-Index:17	International
12	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

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	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)	
2	Prediction of rice plant diseases based on soil and weather conditions	ICACECS 2020 Springer, 2662-3447/ 978-981-15-9292-8	International	13-14 August 2020
3	Vocal Analysis to Predict Suicide Tendency	ICACECS 2020 Springer, 2662-3447/ 978-981-15-9292-8	International	13-14 August 2020
4	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
5	A Neural Network based Model for Predicting Chronic Kidney Diseases	Proceedings of the Second International Conference on Inventive Research in Computing Applications	International	15-17 July 2020

S.No				
6	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
7	"HEALTH STUDIO" – An AndroidApplication for Health Assessment	ICCBI-2019	International	19-20 December 2019
8	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
9	Enabling Smart Cities through the frame work of IOT	Emerging Trends in Engineering and Technology	National	17-18 December 2016

(Note: top partial row shows "(ICIRCA-2020), 978-1-7281-5374 ©2020 IEEE")

5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received: