

Name: Dr. SAGAR YERUVA
Designation: Associate Professor
Department: CSE
Mail I'd: sagar_y@vnrvjiet.in



Experience (in years): Teaching: 18 yrs Research: 8 Yrs
Others(if any, specify): NA

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2017	Computer Science and Engineering
2	M.Tech	2009	Computer Science and Engineering
3	M.Sc	2003	Computer Science
4	B.Sc	1999	Mathematics, Physics & Computer Science
5	B.Ed	2000	Mathematics & Physical Sciences

2. Teaching and Learning:

2.1. Teaching Interests:

C Programming, Data Structures, Core Java, Data Base Management Systems, Operating Systems, Computer Networks, Principles of Programming Languages, Information Retrieval Systems, Data Warehousing & Mining, Cloud Computing, Data Analytics using R, Scripting Languages, Advanced Data Bases and Data Science, Data Analytics, Big Data Analytics

Novel Teaching & Learning Techniques adopted:

POGIL, Learning by Doing, Re-Engineering the class room instruction and WIT & WIL (What I am Teaching – What I am Learning)

2.2. Involvement in curriculum updating / Design:

- **Co-Coordinator, Academics:** Involved in updating curriculum for UG and PG Level during 2012 to 2016
- **Coordinator, Certificate Courses:** Involved in framing the document and formats for implementation of certificate courses in the institute level during 2012 to 2016
- **Member, BoS, CSE and IT, VNRVJIET**

3. Co-curricular and Extra-Curricular Activities:

3.1. Interests and Hobbies:

- Updation of knowledge of computing domain

□ Participation in various workshop and FDP to update knowledge.

3.2. CCA/ECA Organized: reviewer for conferences, chair for technical sessions in international forums, conducted FDP, workshops

- Reviewer for 2020 IEEE INOCON (International Conference for Innovation in Technology) Technically Cosponsored by IEEE Bangalore Section held during 06th – 08th November 2020 organized at Nagarjuna College of Engineering & Technology.
- Reviewer for ICACECS-2020(International Conference on Advances in Computer Engineering and Communication Systems) organized by CSE of VNRVJIET during 13th & 14th August 2020.
- Reviewer for “Smart India Hackathon, 2019” conducted at CMR College of engineering & Technology, Hyderabad during 2nd & 3rd March 2019.
- Evaluator for technical paper presented during Convergence-2K18, VNRVJIET’s annual technical symposium.
- Session Chair in the conference track titled “Big Data & Data Mining” in the International conference on Artificial Intelligence & Cognitive Computing (AICC-2018) organized by MLRIT, Hyderabad during 02-03 February, 2018.
- Reviewer for 1st International Conference on Artificial Intelligence & Cognitive Computing (AICC-2018) organized by MLRIT during 02-03 February, 2018.
- Reviewer for the 2nd International Conference on Advanced Computing and Intelligent Engineering (ICACIE-2017).
- Session Chair in the conference track titled “Data Mining & Distributed Computing” in the 7th IEEE International Advanced Computing Conference (IACC-2017).
- Reviewer for the 7th IEEE International Advanced Computing Conference (IACC-2017).
- Reviewer for the Journal – Advances in Science, Technology and Engineering Systems Journal (ASTESJ) – A Bi-monthly peer reviewed Journal, ISSN: 2415-6698. Reviewer Code: RVCSE0226.

3.3. CCA/ECA participated: NA

3.4. Counseling and Mentoring Activity:

Member, Micro-Teaching, Department of CSE during 18-19 AY

3.5. Committees involved in:

Department level:

- **Coordinator** – M. Tech(Software Engineering) Programme
- **Coordinator**, PG-SE NBA document submission.
- **Member**, Department Development Committee.
- AICTE project proposals.

Institute Level:

Member: Institute level Anti-Ragging and Discipline

Member, BoS, CSE and IT, VNRVJIET since July-2016

Coordinator-PG-SE NBA SAR submission during AY 19-20 and 20-21

Member- NAAC SAR submission

Associate Editor, Vignana Vaartha, a quarterly magazine, VNR VJIET during 2014-2018.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- Coordinator for Faculty Development Program through NKN Summer Course-2019 On
“Introduction to Programming: A Pedagogical Approach” *from 17th -21st June, 2019* under the banner of Electronics and ICT Academy, NIT Patna at VNRVJIET, Hyderabad.
- Organizing Committee member (Finance Committee) for 7th IEEE International Advance Computing Conference (IACC-2017) during 5-7 Jan 2017 at VNRVJIET, Hyderabad, India.
- Coordinator for 4-Week Faculty Development Program on “Use of ICT in Education and Blended Learning”, Approved by AICTE during 02/05/2016 to 10/07/2016 at VNRVJIET, Hyderabad.
- Organized a guest lecture on “Software Professional Code of Ethics” for I B. Tech (CSE and IT) students on 18/04/2015 at VNRVJIET, Hyderabad.
- Coordinator for one-day workshop on “NBA- Outcome Based Education” for the faculty of VNRVJIET on 21/11/2014 at VNRVJIET, Hyderabad.
- Coordinator for one-day seminar on “Research Publications and Documentation” for the faculty of VNRVJIET on 03/05/2013 at VNRVJIET, Hyderabad.

4.2 Attended:

- Participated in one-week online FDP on “Outcome based Education-A step towards excellence” from 11-15 May, 2020 organized by Government College of Engineering, Karad, Maharashtra under Margdarshan scheme, AICTE, New Delhi.
- Participated in one week Faculty Summer Training Program on “Machine Learning” during 20th to 25th May, 2019 at VNRVJIET organized by Department of IT in collaboration with ACM and CDC.
- Participated in a 3-Day FDP on “Hadoop Framework & Big Data Tools” during 27th to 29th September, 2018 at VNRVJIET organized by Department of CSE in collaboration with CAPGEMINI.
- Participated in a One Week workshop on “Big Data Analytics” during 25th to 30th June, 2018 at VNRVJIET organized by Department of CSE in collaboration with CSI, Hyderabad, India.
- Participated in AICTE-ISTE Refresher Programme on “Intelligent Computing and Deep Learning” organized by CSE Department of VNRVJIET during 14th to 19th May, 2018.
- Participated as a delegate in “Intel India DevCon-2018” at HITEX in Hyderabad during 19th-20th Apr, 2018.
- Participant in “BRIDGE-Aligning Academia with Industry Analytics” by Deloitte at Deloitte University campus, Hyderabad on 24-02-2018.
- Participant in “Awareness Workshop on Outcome Based Education and Accreditation” at Osmania University on 18/12/2016.
- Participated and presented a research paper in a National conference on ITBCMS at Bharat Institute of Engineering and Technology on 16/12/2016 to 16/12/2016.

- Participated in one-day workshop on “Machine Learning on BIGDATA with HADOOP” at JNTU-Hyderabad on 26/11/2016.
- Participated in a Four-Week AICTE approved Faculty Development Programme on “Use of ICT in Education for online and Blended Learning”, organized by IIT-Bombay in collaboration with NMEICT (MHRD, Government of India) during 02-05-2016 to 10-07-2016.
- Participated in a 3-Day workshop on “Data Driven Project Design” during 21/01/2016 to 23/01/2016 at VNRVJIET organized by Department of CSE under TEQIP-II funds.
- Participated in a remote internship program organized by Tata Consultancy Services during 29/12/2015 to 13/04/2016 at VNRVJIET, Hyderabad.
- Participated and represented VNRVJIET in a “CSI Student Branch Tech Meet”, a symposium organized by CSI- Hyderabad chapter for all CSI student Branches of Telangana State at JNTU-Hyderabad on 19/12/2015.
- Participated and presented a research paper in an IEEE International conference on ICCIC at Vickram College of Engineering, Madurai, Tamilnadu on 10/12/2015 to 12/12/2015.
- Participated in a 2-Day workshop on “Applications of Computer Networks & Security”, organized by Departments of IT and EIE, VNRVJIET under TEQIP-II during 09-11-2015 to 10-11-2015.
- Participated in a 2-Day workshop on “Big Data and Hadoop”, organized by Department of CSE, VNRVJIET under TEQIP-II during 27-11-2015 to 28-11-2015.
- Participated in a Two Week AICTE approved Faculty Development Programme on “Trends in Wireless Communication Technology and Evolution” organized by the department of ECE at VNRVJIET during 11-05-2015 to 23-05-2015.
- Participated in a short-term-course on “Introduction to Cloud Context & Cloud Models and Capabilities”, organized by Tata Consultancy Services, Hyderabad at VNRVJIET on 05-09-2014.
- Participated in a 3-Day workshop on “Big Data Analytics & Cloud Computing”, organized by Department of IT, VNRVJIET under TEQIP-II during 04-09-2014 to 06-09-2014.
- Participated in a 2-Week ISTE workshop on “Computer Networking”, organized by IIT-Bombay at MJCollege of Engineering and Technology, Hyderabad under TEQIP-II during 28-05-14 to 05-07-14.
- Participated in a one-week AICTE recognized short-term course on “Pedagogical Training (Module-1)”, organized by Education and Educational Management Department, NITTTR, Chandigarh at NITTTR, Chandigarh during 25-11-2013 to 29-11-2013.
- Participated in a 2-Week Short-term course on “Foundation Skills in IT (FSIT) Train-the-Trainer program”, organized by SPFU-AP in Collaboration with IT-ITeS sector skills council NASSCOM under TEQIP-II at JNTU-Hyderabad campus during 19-08-2013 to 26-08-2013.
- Participated in a 3-Day workshop on “Outcome Based Accreditation”, organized by JNTU-Hyderabad under TEQIP-II during 15-02-2014 to 17-02-2014 at JNTU-Hyderabad Campus.

- Participated in one-week workshop on “Cloud Computing”, organized by C-DAC at JNTU-Hyderabad Campus during 09-12-2013 to 12-12-2013.
- Participated in a 2-Day workshop on “Testing Tools”, organized by Department of CSE, VNRVJIET under TEQIP-II during 28-06-2013 to 29-06-2013.
- Participated in a 3-Day workshop on “Program Design with Mapcode”, organized by Department of IT, VNRVJIET under TEQIP-II during 27-05-2013 to 29-05-2013.
- Participated in a 3-Day workshop on “Advanced Topics in Text and Web Mining”, organized by EnhanceEdu, IIIT- Hyderabad during 24-04-2013 to 26-04-2013.
- Participated in a 2-Day National workshop on “Big Data Analytics”, organized by Department of CSE, at RVR & JC, Guntur, Andhra Pradesh during 17-04-2013 to 18-04-2013.
- Participated in a 2-Day workshop on “Data Mining & Its Applications”, organized by Department of IT, VNRVJIET under TEQIP-II during 27-02-2013 to 28-02-2013.
- Participated in a 2-Day workshop on “A Practical Approach to Compiler Design”, organized by Department of CSE, VNRVJIET under TEQIP-II during 04-01-2013 to 05-01-2013.
- Participated in a one-week short term course on “Research Methodology”, organized by Research and Development Cell of JNTU-Hyderabad at JNTU-Hyderabad campus during 16-01-2012 to 21-01-2012.
- Participated in a 2-Day workshop on “Web Designing & PHP Programming”, organized by Virscent Technologies in association with Entrepreneurship Cell-IIT Kharagpur during 29-10-2011 to 30-10-2011.
- Participated in a one-week workshop on “Mission 10X”, organized by WIPRO Technologies, Hyderabad at Hyderabad Institute of Technology and Management (HITAM) during 28-03-2011 to 01-04-2011.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

- Resource person for 6-day workshop on VNR Initiatives and Awareness on OBE(Outcome Based Education) and delivered a talk on “Importance of OBE and Awareness on Quality Assurance & Accreditation” organized by Department of CSE, VNRVJIET, Hyderabad during 6th July, 2020 to 11th July, 2020.
- Technical session on “*Role of Machine Learning in Health care domain*” during *International Conference on Artificial Intelligence and Machine Learning*, March 12-13, 2020 at Sri Indu College of Engineering and Technology, Hyderabad.
- Resource person for UGC Sponsored 3 Week Refresher Course on “Data Mining Techniques” at UGC-HRDC, JNTU-Hyderabad and taken the session on “Social Impact and Trends in Data Mining” held during organized by JNTU- Jagithyal under TEQIP-II on 20-10-2016.
- Invited talk on “Data Warehouse: Concepts and Architecture” at CMR College of Engineering & Technology, Kandlakoya, Medchal, Ranga Reddy(Dt), Telangana on 29-08-2016.

- Invited talk on “Association Rule Mining” at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad on 17-11-2015.
- Resource person for 5-Day national Workshop on Computer Networking organized by CMR College of Engineering & Technology, Kandlakoya, Medchal, Ranga Reddy(Dt), Telangana on the topic “Application Layer- Functionalities, Applications” on 16-09-2015.
- Invited talk on “Concepts on Data Warehousing” at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad on 15-07-2015.
- Invited talk on “Distributed Computing Technologies” at Noble College of Engineering & Technology for Women, Hyderabad on 16-03-2015.
- Resource person for 2-Day national Workshop on Data Mining Technologies organized by CMR College of Engineering & Technology, Kandlakoya, Medchal, Ranga Reddy(Dt), Telangana on the topic “Experimentation with Benchmark datasets” on 20-09-2014.
- Invited talk on “Fragmentation approach in distributed databases” at Netaji Institute of Engineering & Technology, Hyderabad, Hyderabad on 28-01-2013.
- Resource person for UGC Sponsored 3 Week Refresher Course on “Data Mining Techniques” at UGC-HRDC, JNTU-Hyderabad and taken the session on “Social Impact and Trends in Data Mining” held during organized by JNTU- Hyderabad under TEQIP-II on 30-11-2011.
- Invited talk on “Operating systems in Real Trends” at Sphoorthy Engineering College, Nadargul, Hyderabad on 22-11-2011.

5.2. Articles / Chapters published in Books:

1. A book chapter entitled “***Information Warehouse- A Paradigm Shift***” published in the book titled “Advanced Engineering Research and Applications” (AERA) by Research India Publications, Volume-VI, pp: 125-130. ISBN: 978-81-935729-8-6.
2. A book chapter entitled “***A Deep Neural Network on Object Recognition Framework for submerged Fish Images***” published in the book titled “Advances in Data Science and Management” by Springer Nature Singapore Pvt Ltd. 2020, Lecture Notes on Data Engineering and Communications Technologies, Volume 37, pp:443-450, ISBN 978-981-15-0977-3, DOI:10.1007/978-981-15-0978-0_44, February,2020
3. A book chapter entitled “***Demonstrating Broadcast Aggregate Keys for Data Sharing in Cloud***” published in the book titled “Innovations in Computer Science and Engineering by Springer, Lecture Notes on Networks and Systems, Volume 103, pp:184-193, ISBN 978-981-15-2042-6, DOI:10.1007/978-981-15-2043-3, April,2020.
4. A book chapter entitled “Image Fusion Using LUKR in Multi-Modal Authentication”. In Proceedings of “International Conference on Advances in Computer Engineering and Communication Systems”. “Learning and Analytics in Intelligent Systems”, vol 20. Springer, Singapore. https://doi.org/10.1007/978-981-15-9293-5_40.
5. A book chapter entitled (2021) Prediction of Anemia Disease Using Classification Methods. In Machine Learning Technologies and Applications. Algorithms for

- Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-33-4046-6_1
6. A book chapter entitled "*Prediction of Cervical Cancer.*" in *Machine Learning Technologies and Applications: Algorithms for Intelligent Systems*. Springer, Singapore. https://doi.org/10.1007/978-981-33-4046-6_1, *Proceedings of ICACECS 2020*: 21.
 7. A book chapter entitled "*Prediction of Liver Malady Using Advanced Classification Algorithms.*" In *Machine Learning Technologies and Applications: Algorithms for Intelligent Systems*. Springer, Singapore. https://doi.org/10.1007/978-981-33-4046-6_1, *Proceedings of ICACECS 2020*: 39.

5.3. Books published as single author or as editor: NA

5.4. Projects Guided:

a) UG: 12 b) PG :11

5.5. Research Interests: Data Mining, Machine Learning, App Development and Data Bases, Machine Learning

5.6. Ph.D students :

a) Enrolled: NA b) Submitted:NA c) Awarded: NA

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	Identification of Sickle Cell Anemia Using Deep Neural Networks	Emerging Science Journal, ISSN: 2610-9182, Vol. 5, No. 2, April 2021, DOI: pp: 200-210.	http://dx.doi.org/10.28991/esj-2021-01270 ,		International
2	Sickle Cell Disease- A Comprehensive Study and Usage of Technology for Diagnosis	International Blood Research & Reviews (IBRR) , Volume: 11 Issue: 2 19-June-2020, DOI: 10.9734/IBRR/2020/v11i230125 pp: 6-12, Article no.IBRR.57528	ISSN: 2321-7219		International
3	Improved Diabetes Prediction Model for Predicting Type-II Diabetes	International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-8 Issue-12, October, 2019 DOI: 10.35940/ijitee.L3594.1081219 published by Blue Eyes Intelligence Engineering & Sciences Publication, pp: 230-235	ISSN: 2278-3075,		International
4	Public auditing method for regenerating code using cloud storage system	The International Journal of Analytical and Experimental model analysis (IJAEMA), Volume: 11 Issue: 9, September 2019. pp: 679-	ISSN: 0886-9367		International

		685 DOI: 18.0002.IJAEMA.2019.V11I9.2083 01.3230			
5	Sustainable and portable low cost IoT based terrace model to grow true organic greens	International Journal of Engineering and Advanced Technology (IJEAT), Volume:8 Issue: 6 August 2019 pp:3223:3228	DOI: 10.35940/i jeat.F8826 .088619.		Internatio nal
6	A new approach to represent textual documents using CVSM	International Journal of Engineering & Technology, Vol: 7 Issue; 4, Nov, 2018 PP 4678-4682,	DOI: 10.14419/i jet.v7i4.15 372.		Internatio nal
7	Air Guide: Indoor Air Pollution Monitoring Application	Journal of Emerging Technologies and Innovative Research (JETIR), Vol:5, Issue:5, May-2018, pp: 566-570,	ISSN: 2349- 5162.		Internatio nal
8	COMMTRUST: A Multidimensional Trust Model for E-Commerce Applications	International Journal on Natural Language Computing, ISSN: 2319-4111, Vol:5, No:5, pp. November-2016, pp. 43-53.	DOI: 10.5121/ij nlc.2016.5 504		Internatio nal
9	Fast Nearest Neighbor Search with keywords in spatial databases	International Journal on Recent and Innovation trends in computing and communication Vol:3, Issue:8, August 2015., pp 5069 – 5072.	ISSN: 2321-8169		Internatio nal
10	Distributed Warehouses: A review on design methods and recent trends	International Journal of Computers and Distributed Systems, , Vol-1, Issue-3, October 2012.	ISSN: 2278-5183		Internatio nal
11	Query Optimization- An Experimental Approach for Distributed Environment	International Journal of Technical Teachers. Sept-2011, Vol 3, Issue 1, pp.23-28.	(2231- 4474)		Internatio nal
12	Effective Integration of External Software Based on Trustworthiness at Selection Time	International Journal of Engineering Research and applications [IJERA], September-2011. Vol-1 Issue-3, pp.986-989			Internatio nal
13	Development of Information Warehouse- A Strategic Approach	International Journal of Computing and Applications, Vol. 5, No. 2, July-December-2010, pp. 153-158			Internatio nal
14	An approach to develop expert systems in Medical diagnosis using machine learning Algorithms (asthma) and a performance study	International Journal on Soft Computing (IJSC), Vol.2, No.1, February 2011.			Internatio nal
15	A Study on Associative Neural Memories	(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 1, No. 6, December 2010.			Internatio nal
16	Testing Sedimentary	Advances in Computational	ISSN		Internatio

	Basins using Adaptive Resonance Theory	Sciences and Technology, Volume 3 Number 2 (2010) pp. 201–207.	0973-6107		nal
--	--	--	-----------	--	-----

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Information Warehouse – A Paradigm Shift	National Conference on Innovative Technologies in Big Data, Cloud, Mobile and Security (ITBCMS-2016) held at BIET, Hyderabad	National	December 16 th to 17 th , 2016.
2	Distributed Data Warehouse- Experimentation with TPC-DS	2015 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) at Madurai, Tamilnadu (Published in IEEE Digital Xplore and Scopus Indexed).	International	10 th to 12 th December 2015.
3	Design of Distributed Warehouse- A vertical fragmentation approach	2015 IEEE International Conference on Next Generation Computing Technologies(NGCT-2015) at Dehradun, HP, India (Published in IEEE Digital Xplore and Scopus Indexed).	International	4 th to 6 th September 2015.
4	Query Optimization - An Experimental Approach for Distributed Systems”,	ICACM-2011, held at GRIET, Hyderabad, India. Proceedings published by Elsevier	International	1 st to 3 rd December 2011.
5	Testing Sedimentary Basins using Adaptive Resonance Theory	ICSCI-2009, Pentagram Research, Hyderabad during	International	1 st to 3 rd January 2009.

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Identification of Sickle Cell Anemia using deep Neural network	JNTU- Hyderabad under TEQIP-III	August-2019 to Feb-2021	Rs 3,00,000	Completed

5.10 Consultancy Projects: NA

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

- Received “Collaborative Research Scheme” award as project from JNTU Hyderabad under TEQIP-III during 2019-2020

- Best Paper Award during ICACECS-2020(International Conference on Advances in Computer Engineering and Communication Systems) during 13th, 14th August 2020.

7. Motto: Aim to achieve excellence!