**Name:** Dr. KANAKALA SRINIVAS
**Designation:** Assistant Professor
**Department:** Computer Science & Engineering
**Mail ID:**srinivas_k@vnrvjiet.in

**AICTE –ID** : 1-3363702761.
**Date of Birth:** 30-07-1982.
**Experience (in years): Teaching: 17   Research: 05       Others(if any, specify): Nil**

## 1. Educational / Technical qualifications:

| S.No | Level (UG / PG / Ph.D) | Year of passing | Specialization |
|------|------------------------|-----------------|----------------|
| 1 | Ph.D (Osmania university) | 2018 | CSE |
| 2 | M. Tech.(JNTUH) | 2008 | Software Engineering |
| 3 | B.Tech.(JNTUH) | 2004 | CSIT |

## 2. Teaching and Learning:

**2.1. Teaching Interests:** Database Management Systems, Mobile Computing, OOAD through UML ,C Progrmmaing, Object Oriented Programming with JAVA, Web Technologies, Operating Systems, Data Mining ,Cyber security, Data Analytics, Software Requirements and Estimation, Software Engineering, Software Architecture& Design Patterns, Predictive Analytics,etc.

**2.2. Novel Teaching & Learning Techniques adopted**: POGIL, Simulations, WIT & WIL, and PPT's, Learning by Doing, Think -Pair-Share

**2.3. Involvement in curriculum updating / Design**: Designed courses for Data Mining,IT Workshop, Elements of Computer Science, Software Requirements and Estimation, Mobile Computing.

## 3. Co-curricular and Extra-Curricular Activities

## 3.1. Interests and Hobbies:

- To motivate students towards research and serving the nation.
- To motivate students towards doing the projects required for college and let the students get real exposure.
- Browsing internet and Reading Books.
- Watching Cricket.

**3.2. Counseling and Mentoring Activity**: Counsels and motivates students allotted to me.

## 3.5. Committees involved in:

Department level:

- Lab Incharge.
- Knowledge Asset.
- NIRF Coordinator
- Institute Level: M.Tech (Software Engineering) Coordinator

**4. Conference / Workshop / Seminar / Guest Lectures:**

**4.1.Conducted**

1. Member of organizing committee for Springer International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2020) is organized by the Department of Computer Science and Engineering, VNR VJIET, Hyderabad.

2. Member of organizing committee for Springer International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2021) is organized by the Department of Computer Science and Engineering, VNR VJIET, Hyderabad.

3. Member of organizing committee for Springer International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2022) is organized by the Department of Computer Science and Engineering, VNR VJIET, Hyderabad.

4. Member of organizing committee for Springer International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2023) is organized by the Department of Computer Science and Engineering, VNR VJIET, Hyderabad.

5. Member Technical Program Committee during 2023 IEEE International Conference on Contemporary Computing and Communications (InC4) Organized by the Department of Computer Science and Engineering, CHRIST (Deemed to be University), Kengeri Campus, Bangalore -560 074 during April 21-22, 2023.

6. Workshop coordinator for Recent Research Applications and hands on sessions in Natural Language Processing using ML and DL Approaches, August 2022.

**4.2. Attended:**

1. One week Faculty Development Program on "**Python for Machine Learning**", held at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad from 18- 23rd

May 2020.

2. One week Faculty Development Program on "**Cloud Computing &DevOps**", held at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad from 23- 27 June, 2020.

3. Faculty Development Program on "**Artificial Intelligence and Machine Learning**", held at CMR Technical campus, Hyderabad from 1822 May 2020, conducted by Black buck Engineers.

**4. One-week Faculty Development Programme on "Data Science with R" organized by Electronics and ICT Academy, NIT Patna held from 27th April to 03rd May,2020.**

5. Faculty Development Program on "**Foundation Program 5.0**", held at MLR Institute of Technology, Hyderabad from $2^{nd}$-$6^{th}$ January 2017, conducted  by Infosys limited.

6. Quality Improvement Programme on '**Instructional Design  and  Delivery System**", held at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad from $11^{th}$ to $16^{th}$ December 2017 ,conducted by National Institute of Technical Teachers Training &Research, Chennai, Government  of India, Ministryof HRD.

**7. Faculty Development Program on "Data analytics with R", held at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad from $15^{th}$-$20^{th}$ May 2017, Organized by the E&ICT Academy, NIT Warangal.**

8. Faculty Development Program on "**IoT and Cloud Computing**", held at CVR College of Engineering, Hyderabad from $6^{th}$ April -$11^{th}$ April2017.

9. Short term course on "**Python Programming**", conducted by MLRIT,  Hyderabad in Jan 16-20, 2017.

10. TEQIP-II Sponsored 5 Days Short Term Training Programme on "**Wireless Simulations**", organized by Department of Information Technology ,RIT, Sangli, during June 2-6 ,2014.

*11. AICTE Sponsored Staff Development Programme on "Web        Technologies"* organized by JITS, Narsampet in 14-26 June 2010.

12. UGC Sponsored Refresher course on "*Mobile Computing*", conducted by JNTUH in November 2004.

**13. Workshop on Data Analytics, IACC 2017, 7$^{th}$ IEEE International Advance ComputingConference conducted by VNRVJIET, Hyderabad, in Jan**

**5-7,2017.**

14. International Conference on "**Transformations in Engineering Education**", organized by

    B.V.B College of Engineering &Technology, Jan 2014.

15. Workshop on "**Curriculum Design using Outcome Based Education Framework**",Organized by B.V.B College of Engineering &Technology, Jan 2014.

16. Short-Term Course on "**Engineering Research Methodology**" Organized by OsmaniaUniversity, Hyderabad, in Feb 2012.

17. National Workshop on "**Network Simulators for Wired and Wireless Networks with Security**", Organized by JNTUH College of Engineering, Karimnagar, in Dec 2010.

18. Tutorial on "**An Introduction to Pattern Recognition and Applications**" conducted byVaagdevi College of Engineering in Dec 2010.

19. Tutorial on "**Modeling Malware Spreading: Aiming at a Moving Target**" organized byIEEE Hyderabad Section and Vaagdevi College of Engineering in Dec 2010.

20. National level workshop on "**Data Mining Tools**", conducted by Vaagdevi College ofEngineering in Nov 2010.

21. International Conference on "**IT for Real World Problems**", organized by VaagdeviCollege of Engineering in December 2009.

22. Workshop on "**Systems Integration**" organized by Microsoft & IEG/JKC through MANATV at Vaagdevi College of Engineering in February 2009.

23. Faculty development Workshop on "**Neural networks and EJB**" conducted by VaagdeviCollege of Engineering in November 2009.

24. International Symposium on, "**Information Technology for Real World Problems**",
conducted by Vaagdevi College of engineering in August 2008.

25. Workshop on "**Java Struts and Multimedia**" conducted by Vaagdevi College of Engineering in November 2008.

26. Workshop on "**Data Mining, Neural networks, Advanced JAVA Technologies and Effective Teaching Methodologies**", conducted by Vaagdevi College of

Engineering in December 2007.

**5. Academic Contribution and Research & Consultancy**:
5**.1 Invited lectures:**

1. Chaired a session in artificial intelligence and cognitive computing (AICC- 2018),FEB 2018, *MLRIT, Hyderabad* .

2. Session chair for Springer International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2021) is organized by the Department of Computer Science and Engineering, VNR VJIET, Hyderabad, during 13th &14th August 2021.

3. Chaired a session technical session on Informatics and Applications (22.04.2023 10:00-11:00 (IST)) during 2023 IEEE International Conference on Contemporary Computing and Communications (InC4) Organised by the Department of Computer Science and Engineering, CHRIST (Deemed to be University), Kengeri Campus, Bangalore -560 074 during April 21-22, 2023.

4. **Jury for smart India Hackathon 2019,** organized by MHRD, Govt of India.

5. Reviewer for the Sixth International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2020.

6. Worked as Reviewer for Springer International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2020) is organized by the Department of Computer Science and Engineering, VNR VJIET, Hyderabad, during 13th &14th August 2020.

7. Worked as reviewer for IEEE Access Journal.

8. Worked as reviewer for British Journal of Applied Science & Technology.

9. Worked as reviewer for Asian Journal of Mathematics and Computer Research.

10. Worked as reviewer for British Journal of Mathematics & Computer Science.

**5.2. Articles / Chapters published in Books: Nil**
**5.3. Books published as single author or as editor: Nil**
**5.4. Projects Guided:**

a) UG: 50

b) PG: 12

**5.5. Research Interests**: Data Science, Machine Learning.

**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 | Energy-Efficient Cluster Based Routing Protocol in Mobile Ad Hoc Networks Using Network Coding | Journal of Computer Networks and Communications, vol. 2014, Article ID 351020, 12 pages,2014. Publisher: Hindawi Publishing Corporation | ISSN: 2090-715X | H Index 5. | International |
| 2 | Connected Dominating Set-based Broadcasting in Mobile Ad-Hoc Networks using Network Coding | International Journal of Applied Engineering Research | ISSN No. 1087--1090 | | International |
| 3 | Network Coding for Energy Efficiency in Wireless Networks | International Journal of Advanced Research in Computer Science, Volume 5, No. 4, April 2014 | ISSN No. 0976-5697 | | International |
| 4 | Survey on Minimizing Energy Consumption in Mobile Adhoc Networks | International Journal of Advances in Computer Science and Technology, Volume 3, No.12, Dec 2014 pp.495-500 | ISSN No. 2249 – 5452 | | International |
| 5 | Plant Disease | International Journal | ISSN 2278-3091, | | Internatio |

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|---|---|---|---|---|---|
| | Detection Using Convolutional Neural Networks, | of Advanced Trends in Computer Science and Engineering, | Volume9,No.3,June-2020, pp.2632-2637 | | nal |
| 6 | Generating Analyticsfrom Web Log | International Journal of Engineering and Advanced Technology(IJEAT), | ISSN:2249–8958, Volume-9 Issue-4 | | Internatio nal |
| 7 | Identification of Opportunities for Coding in a Network", | International Journal of Recent Technology and Engineering (IJRTE), | Volume7, Issue5,Pages.140-144 ISSN: 2277-3878, January 2019 | | Internatio nal |
| 8 | Comprehensive Data Analysis of Aarogyasri SchemeProgress in Telangana, | Journal of Advanced Research in Dynamical and Control Systems, | Vol.10,2018,pp.(421-434).ISSN:1943023,194 3023X | | Internatio nal |
| 9 | A Three Layer Privacy Preserving Cloud Storage Scheme Based On Fog Computing, | International Journal of Research, | ISSN NO:2236-6124, Volume IX, Issue V, May/2020,pp.83-90. | | Internatio nal |
| 10 | Student Dropout Prediction Using Machine Learning Techniques, | International Journal of Intelligent Systems and Applications in Engineering (IJISAE), | ISSN:2147-6799, 2147-6799. vol. 10, no. 4, pp. 408–414, Dec. 2022. (Scopus Indexed) | | Internatio nal |
| 11 | Securing Data using Artificial Intelligence and Block Chain, , | International Journal of Computationa l Intelligence Research | ISSN: 0973-1873 ,Volume 18, Number 1 (2022), pp. 1-11. (UGC APPROVED). | | Internatio nal |

| 12 | PATENT: 1. Aws -Cloud Data Performance Increased Using Machine Programming, | INDIAN PATENT | Application No.20214100692 3 A, Publication Date: 26/02/2021. | | International |

**5.8. Papers presented at National / International Conferences:**

| S.No | Title of the Paper | Names of the Conference/ Seminars | National/ International | Period |
|------|--------------------|-----------------------------------|-------------------------|--------|
| 1 | Performance Evaluation of Routing Protocols in Static and Dynamic Adhoc Networks Based on Energy Consumption | IEEE Vaagdevi International Conference on Information Technology for Real World Problems(VCON'2010), pp.47-51, Dec. 2010 | International | 2 Days |
| 2 | Network Coding-Aware Neighbor Based Topology Control in MANETs | 2013 IEEE 2nd International Conference on Advanced Computing, Networking and Security(ADCONS'2013),organized by NIT Karnataka, India, pp.175-180, Dec.2013 | International | 3Days |
| 3 | Wireless Network Coding: An Innovative Technology | IEEE International conference on Green Computing, Communication and Conservation of Energy (ICGCE-2013),pp.45-48,Dec.2013 | International | 2 Days |
| 4 | Performance Evaluation of Network Coding-Aware Neighbor based Topology control Protocols in MANETs | IEEE International conference on Green Computing, Communication and Conservation of Energy (ICGCE-2013),pp.45-48,Dec.2013 | International | 2 Days |
| 5 | Network Coding-Aware Energy Efficient Routing Scheme in Mobile Ad-Hoc Networks | IEEE International Conference on Communication and Signal Processing (ICCSP' 14), pp.1030-1034,April.2014 | International | 3 Days |
| 6 | Adaptive ant colony network coding to neighbor topology based broadcasting techniques in | IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI- | International | 2 Days |

| | | MANETs | 2014),pp.21632167,september.2014 | | |
|---|---|---|---|---|---|
| 7 | Music Genre Categorization using Machine learning Algorithm, | | 2021 International Conference on Computational Intelligence and Computing Applications (ICCICA),Dec 2021 | International | 2 Days |
| 8 | Automatic Valuation of Essay using Machine Learning, | | IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2021),November 2021 | International | 2 Days |
| 9 | Heart Failure Prediction UsingClassification Methods, | | 2ndInternational Conference On Advances In Computer Engineering And Communication Systems (ICACECS-2021)Algorithms for Intelligent Systems" (AIS) Series of Springer Nature ,Dec 2020. | International | 2 Days |
| 10 | Spread Analysis of Covid-19 | | 4th International Conference on Smart Computing and Informatics (Springer's Smart Innovation Systems and Technologies Series), 9-10, October 2020, | International | 2 Days |
| 11 | Detection and Classification of Intracranial Brain Hemorrhage | | International Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications 2021, (Springer's Lecture Notes in Networks Systems (LNNS) Series), ,26-27 ,February-2021(Scopus indexed). | International | 2 Days |
| 12 | Tweet Summarization Using Clustering Mechanisms | | 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N–22),Dec 2022.IEEE xplore +scopus) . (Web of Science). | International | |

**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:**

1. **Jury for smart India Hackathon 2019,** organized by MHRD, Govt of India

2. Successfully completed **NPTEL Online Certification** course on '**Programming, Data Structures and Algorithms Using Python**", Aug –Sep 2018 conducted by IIT Madras, funded by the Ministry of HRD, Government of India.

3. Successfully completed **NPTEL Online Certification** course on **'Introduction to Data Analytics"**, July –Sep 2017 conducted by IIT Madras, funded by the Ministry of HRD, Government of India.

4. Successfully completed **NPTEL Online Certification** course on **'NBA ACCREDITATION AND TEACHING AND LEARNING IN ENGINEERING (NATE)"**, Jan –April 2022 conducted by IIT Madras, funded by the Ministry of HRD, Government of India.

5. Successfully completed **NPTEL Online Certification(Elite)** course on **'UNDERSTAND INCUBATIONA ND ENTREPRENUERSHIP"**, Jan –April 2023 conducted by IIT Bombay, funded by the Ministry of HRD, Government of India.

6. Completed Coursera Online certification on **Data Analysis with Python** by IBM,June2020.

7. Completed Coursera Online certification on **Tools for Data Science** by IBM july2020.

8. Completed Coursera Online certification on **AI For Everyone** July 2020.

9. Completed Coursera Online certification on **Natural Language Processing** in TensorFlow,July 2020.

10. Completed Coursera Online certification on **What is Data Science**? ,July2020.

11. Completed Coursera Online certification on **Introduction to Relational Database and SQL**,July 2020.

12. Completed Coursera Online certification on **Manipulating Data with SQL**, July 2020.

13. Completed Coursera Online certification on **Programming for Everybody (Getting Started with Python),** April 2020.

14. Completed Coursera Online certification on **SQL for Data Science**, July 2020.

15. Completed Edx Online certification on **Analyzing data with Python**, June 2020.

**7. Motto**: Excellence in education and research.

8.**Memberships :** ISTE, CSI, IAENG,IFERP,ISOC