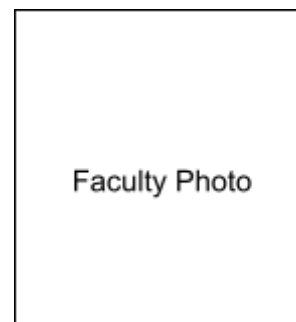


Faculty Profile

Brief Profile (Few Paragraphs)



Dr. Vinay V Hegde is a Professor in the Department of Computer Science and Engineering with over 20 years of teaching and research experience

Dr. Vinay V Hegde holds a B.E. degree in Computer Science and Engineering from BMS College of Engineering (BMSCE), affiliated with Visvesvaraya Technological University (VTU), and an M.Tech in Computer Networks and Engineering from RV College of Engineering (RVCE), also under VTU. He earned his Doctoral Degree from Avinashilingam University, Coimbatore.

With over **20 years of teaching experience**, Dr. Vinay V Hegde's research interests span **Natural Language Processing, Data Analytics, Artificial Intelligence, and Computer Networks**. He has published **60+ international research papers** and is a **member of IEEE** and a **certified CCNA trainer**. He serves as a reviewer for several reputed international journals and conferences.

Dr. Vinay V Hegde has mentored students for international competitions, including **National Hackathons** and the **Google Summer of Code (GSoC)** program in the USA. He is actively involved in **research collaborations** with **Purdue University** and RVCE. In addition to his academic and research contributions, he has served as the **Alumni Coordinator at RVCE** for the past two decades. He is currently guiding 4 research scholars under VTU, Karnataka.

Truly passionate and creative Doctorate in Computer Science / Inspiring Engineer with a broad and deep expertise across a wide spectrum of technologies. Skilled in **Machine Learning, Artificial Intelligence, Computational Linguistics, Computer Datastores, Networking, Cybersecurity, Distributed Computing, Large-Scale Internet Infrastructure, Search Engines, Artificial Neural Networks, and Internet Applications**. Known for an innovative mindset and a strong drive to explore **challenging and cutting-edge technologies** that deliver meaningful value to end users. Always eager to take on transformative projects that push boundaries and inspire growth.

Focused on implementing data mining and machine learning systems to address real-world business challenges. An expert in **statistical and linguistic techniques for data mining, information extraction, and classification**. Proven ability as a **skilled communicator and effective leader**, with a strong track record of translating complex technical solutions into actionable insights.

Personal Information

- **Name:** Dr. Vinay V Hegde
- **Designation:** Professor
- **Department:** Department Name, e.g., Mechanical Engineering
- **Email:** [vinayvhedde@rvce.edu.in]
- **Phone:** 080-

Google Scholar : <https://scholar.google.co.in/citations?user=vrqhAnEAAAAJ>

Scopus : <https://www.scopus.com/authid/detail.uri?authorId=57204031965>

Web of Science : <https://www.webofscience.com/wos/author/record/P-9606-2016>

ResearchGate : <https://www.researchgate.net/profile/Vinay-Hegde-4>

LinkedIn: <https://www.linkedin.com/in/dr-vinay-hegde-04598314/?originalSubdomain=in>
ORCID: <https://orcid.org/0000-0002-4684-6541>

Domain of Expertise

His current research interests include **Natural Language Processing (NLP)**, **Data Analytics**, **Artificial Intelligence (AI)**, and **Computer Networks**.

Research Focus

Primary Area: Natural Language Processing (NLP), Data Analytics, Artificial Intelligence (AI), and Computer Networks.

- **Allied Areas:**

NLP and Allied areas : ■ Computational Linguistics ■ Speech Recognition ■ Text Mining ■ Machine Translation ■ Sentiment Analysis ■ Information Retrieval ■ Question Answering Systems ■ Chatbots and Conversational AI ■ Knowledge Representation

Data Analytics and Allied Areas : ■ Big Data Technologies (e.g., Hadoop, Spark) ■ Business Intelligence (BI) ■ Data Visualization ■ Predictive Analytics ■ Statistical Modeling

■ Data Warehousing ■ Time Series Analysis ■ Decision Support Systems

Artificial Intelligence (AI): ■ Machine Learning (Supervised, Unsupervised, Reinforcement Learning) ■ Deep Learning ■ Computer Vision ■ Expert Systems ■ Robotics ■ Fuzzy

Logic Systems ■ Ethical and Explainable AI ■ Cognitive Computing

Computer Networks and Allied Areas : ■ Network Security and Cryptography ■ Wireless and Mobile Networks ■ Internet of Things (IoT) ■ Cloud and Edge Computing ■ Network Protocol Design ■ Software-Defined Networking (SDN) ■ Cybersecurity ■ Distributed Systems

Academic Qualifications

- **Ph.D.:** [Computer Science and Engineering], [Avinashilingam University], [2016] (*Thesis Title* "Multi-Perspective Comparative Study: Common Context Based knowledge integration in Word Sense Disambiguation for Information Retrieval")
- **M.Tech:** Computer Network Engineering, VTU, 2007
- **B.E./B.Tech:** Computer Science and Engineering, VTU,, 2004
- **Postdoctoral Research:** [University/Lab], [Year] (*if applicable*)

Professional Experience

Experience
Teaching Experience: 20 years at RV College of Engineering, Bangalore and 3 years as programmer/system analyst at RV College of Engineering, Bangalore.

Industrial Experience: 3 years as Network Engineer/ Service Engineer in Industry			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
Teaching Experience (20 years)			
1.	RV College of Engineering	Lecturer	Aug 2005 to Aug 2008
2.	RV College of Engineering	Asst. Professor	Aug 2008 to Sep 2013
3	RV College of Engineering	Associate Professor	Sep 2013 to Dec 2024
4	RV College of Engineering	Professor	15/12/2024 till dated
Industrial Experience (6 years)			
1	Aroor Infotech, Bangalore	Service Engineer	Dec 2000 to Dec 2002
2	Buoyant E Solutions Pvt Ltd.,	Network Engineer	Dec 1999 to Nov 2000
3	RV College of Engineering	Programmer/ System Analyst	April 2002 to Aug 2005
4	VIT Vellore CCNA certification	CCNA Trainee	Jan 2011 to June 2011
5	Spacecraft checkout designs ISRO Satellite Centre , Department of SPACE	Project Intern	23/2/2004 to 21/5/2004

Publications & Patents

Journal Publications

1. Vinay Hegde, shruthi Kori , “A review on the traditional DICOM C-Store and Http based request mechanisms”, International journal of innovative technology and research, ISSN:2320-5547, Vol.3,Issue No.3, pp. 2083-2085, May 2015.
2. Vinay Hegde, Mohammed Mujeer Ulla , “Authorized public auditing on Cloud Data”, Proceedings of the international conference on “Computational Systems for Health and Sustainability” innovative technology and research 17th and 18th april at R.V.College of Engineering, Bangalore ISSN:2320-5547, Vol.4 pp. 143-147, April 2015.

3. Rakesh G.V , Shanta Rangaswamy, Vinay Hegde, Shoba G published a paper on "A Survey of Techniques to Defend Against Sybil Attacks in Social Networks" International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE4J) ISSN (Online) : 2278-1021,Vol. 3, Issue 5, PP 6577-6580 May 2014.
 4. Vinay Hegde,Kalpana P ,” An Efficient Energy renewal approach in wireless power transmission” International Journal of Engineering Research and Technology(IJERT) ISSN:2278-0181,Vol. 2 Pp-281-285.
 5. Vinay Hegde,Arun Kumar D R, Venkataravana Nayak K, Raghavendra Shivaraju Nayak K, Raghavendra Shivaraju, “ Design and Development of Haptics Solutions for Touch Sensitive Mobile Devices” International Journal of Scientific and Engineering Research ,ISSN 2229-5518,Volume 4,Issue 9,September 2013,Pp 1529-1532.
 6. Vinay Hegde ,Manjunath A.E, Prapulla S B , N.K Srinath , "An Interactive Tool for Knowledge Representation and Sharing on Android Operating System , International Journal of Advanced research in Computer and Communication Engineering ,Vol 2 , Issue 1 ,Jan 2013 ,Pp 938 – 944.
 7. Vinay Hegde ,Dr.T.M.Rangaswamy "Efficient word sense Disambiguation with context based searching" IJAET, E-ISSN 0976-3945,Vol ii Issues I 2011 Jan 2011,Pp 43-46.
 8. Vinay Hegde, Jeevan H E, Prashanth PP, Punith Kumar S N , " Web pages Clustering: A New Approach" International Journal of Innovative Technology and Creative Engineering (IJITCE, ISSN :2045- 8711) Volume 1,Number 4, APRIL 2011,PP. 42-44
 - 9.Vinay Hegde, Sundar kumar, “A survey on Big Data Challenges and Solutions using Real Time Streaming Protocol”, International journal of Innovative Research in Computer and Communication Engineering(IJIRCCE), Vol-4, Issue 11, Pages 19221-19224,ISSN(print):2320- 9798, November 2016.
 10. Anjan K, Nagaraja G S, Vinay V Hegde, A study on e-waste recycle management in unregulated conditions, 7th International Congress of Environmental Research, pp.638-647, Dec 2014.
 - 11.Keerthi Prasad G,Vinay Hegde. **“Deep Learning based Convolutional Neural Network for Handwriting Recognition”** International *Journal* of Engineering and Technology(UAE) ISSN: 2227-524X Publication,2018.
 12. Vinay V. Hegde G. S. Nagaraja Anjan K. KoundinyaG. Thippeswamy “ [Spatial Data Infrastructures for Urban Governance Using High-Performance Computing for Smart City Applications](#)” proceedings of [Smart Intelligent Computing and Applications – 2020 International Conference on Smart Computing and Informatics, October 2019, Volume 2,pp 585- 592.](#)
-
13. Vinay Hegde,Anjan K et.al., Exploration of covert schemes and their embodiments in Hybrid Covert channel, International Journal of Advances in Computer Networks and Security (IJCNS), Vol. 5, Issue 2, ISSN- 2250 – 3757, Oct 2015, pp.50-54.
 14. Vinay Hegde,Anjan K et.al “[VoIP Smart Speech Encoding Mechanism Using High-Performance Computing](#)” proceedings of [Smart Intelligent Computing and Applications – 2020 International conference on Smart Computing and Informatics, October 2019, Volume 2, pp 577-583.](#)
 15. Vinay Hegde, Keerthi Prasad G “Recognition of Online Handwritten Isolated Kannada Characters using PCA and DTW “International Journal of Recent Technology and Engineering (IJRTE) ISSN:

16. Vinay V Hegde, Nandan Singh Gadwal² “ A Review on Cloud Computing and K-means++ Clustering Algorithm with Map Reduce” *International Journal of Research in Engineering, Science and Management* ISSN (Online): 2581-5792 ,Volume-2, Issue-5, May-2019pp- 556.
- 17 Vinay Hegde , Avinash G M “A Survey on Novel Integration approach for Monitoring of Primary Nutrients using Wireless Sensor Network Technology” *International Research Journal of Engineering and Technology (IRJET)* e-ISSN: 2395-0056, Volume 07 Issue: 06 | June 2020

- 18.Vinay V Hegde , Anmol Bhat “ Image Validation and Forgery Detection” *International Research Journal of Engineering and Technology (IRJET)* , e-ISSN: 2395-0056, Volume: 07 Issue: 05 | May 2020 Pp 3308.
- 19.Vinay Hegde, SikandarKhan¹, KavyaNR², MamathaT³, “ Developer tool Box” *International Research Journal of Engineering and Technology (IRJET)* e-ISSN: 2395-0056 Volume: 07 Issue: 04 | Apr 2020
- 20 Vinay Hegde, Zishen Thajudheen, Amit N Subrahmanya, Aditya Singh, Akshit Jhamb, “ Text generation using recurrent Neural networks” *International Journal of Research and Scientific Innovation (IJRSI)*, Volume VI, Issue V, May 2019 | ISSN 2321–2705. (Scopus Indexed)
21. Vinay Hegde, Shreesha Bhat “ overview of dependency injection design pattern “ *International Journal of Scientific Research and Engineering Development*, Volume x issue x ISSN : 2581-7175 pp 1-4. (open Access)
22. Vinay Hegde, Sanket Salankimatt¹, Hemanth Rao KN², Shalu Kumari³, Raghavendra⁴, “ Twin Facial Identification and Differentiation using the Viola-Jones method, PCA and ANN “ *International Journal of Creative Research Thoughts (IJCRT)* © 20XX IJCRT | Volume X, Issue X Month Year | ISSN: 2320-2882, *International open Access peer reviewed journal* , pp 170-174.
23. Vinay Hegde, Amisha ‘A Brief Introduction on Automated Regression Detection Framework’ *IJSRED* , ISSN : 2581-7175, 2020, pp 1-6, open access Journal
- 24 Vinay Hegde, Ayush Agarwal¹, Prableen Singh² ,Rohan Shetty³, Aditya Raj⁴, Mohit Singh⁵, Pavithra H⁶ “Detection of Anomalous TCP/IP Network Requests using Autoencoders” *International Journal of Scientific Research and Engineering Development— Volume 4 Issue 3, May-June 2021 pp 1-7.*
25. Vinay Hegde, Pranav B M , “ Volatility Forecasting Techniques using Neural Networks: A Review, *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181 Vol. 10 Issue 06, June-2021, PP 748-752.
26. Vinay Hegde, Chaitali Siddaram Patil “ Machine Learning Based Estimation of Energy Optimization of Residential Buildings” , *GIS SCIENCE JOURNAL*, VOLUME 8, ISSUE 6, 2021 pp 886-892.
27. Vinay Hegde, Annapurna Ramesh “Auto Code Generation for ML Deployment” *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Vol. 9 Issue 05, May-2020 pp 892-896.
28. vinay Hegde, Shridhar KV M “A Review on Soft Handover Schemes in LTE Cellular Networks” *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Vol. 6 Issue 06, June – 2017, pp 634-638.
29. Vinay Hegde, vinutha Hutgikar “ Analysis of Front-end Frameworks for Web Applications” *International Research Journal of Engineering and Technology (IRJET)* e-ISSN: 2395-0056, Volume: 07 Issue: 04 | Apr 2020, pp 3317 -3320.

30. Vinay Hegde, Amisha 'A Brief Introduction on Automated Regression Detection Framework' IJSRED, ISSN : 2581-7175, 2021, pp 1-6, open access Journal : <http://www.ijsred.com/volume4-issue3-part7.html#>
31. Vinay Hegde, Ayush Agarwal¹, Prableen Singh², Rohan Shetty³, Aditya Raj⁴, Mohit Singh⁵, Pavithra H⁶ "Detection of Anomalous TCP/IP Network Requests using Autoencoders" *International Journal of Scientific Research and Engineering Development— Volume 4 Issue 3, May- June 2021* pp 1-7.
32. Vinay Hegde, Pranav B M , " Volatility Forecasting Techniques using Neural Networks: A Review, *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Vol. 10 Issue 06, June-2021, PP 748-752. (<https://www.ijert.org/volatility-forecasting-techniques-using-neural-networks-a-review>)
33. Vinay Hegde, Shreesha Bhat " overview of dependency injection design pattern " *International Journal of Scientific Research and Engineering Development*, Volume x issue x ISSN : 2581-7175 pp 1-4. (open Access) <http://www.ijsred.com/volume4/issue3/IJSRED-V4I3P213.pdf>
34. Vinay Hegde, Sanket Salankimatt¹, Hemanth Rao KN², Shalu Kumari³, Raghavendra⁴, " Twin Facial Identification and Differentiation using the Viola-Jones method, PCA and ANN " *International Journal of Creative Research Thoughts (IJCRT)* © 20XX IJCRT | Volume X, Issue X Month Year | ISSN: 2320-2882, *International open Access peer reviewed journal* , pp 170-174. <https://ijcrt.org/papers/IJCRT2006101.pdf>
35. Vinay Hegde, Chaitali Siddaram Patil " Machine Learning Based Estimation of Energy Optimization of Residential Buildings" , *GIS SCIENCE JOURNAL*, VOLUME 8, ISSUE 6, 2021 pp 886-892. <http://gisscience.net/VOLUME-8-ISSUE-6-2021> (DOI:20.18001.GSJ.2021.V8I6.21.37375)
36. Vinay Hegde, Vinod Kumar, " Bio Medical Image compression and enhancement of low contrast image" Seabold report, scopus indexed, DOI 10.52581/Zenedo.7293979, ISSN 1533-9211 Scopus Indexed Q-3 Journal. <https://nveo.org/index.php/journal/article/view/2221/1966>
37. Vinay Hegde, Avinash GM (Research scholar doing PhD under my guidance) Vinay Hegde, Avinash "SENSOR BASED SOIL NUTRIENT MONITORING IN AGRICULTURE" Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition), ISSN: 1671-5497 E-Publication: Online Open Access Vol: 42 Issue: 05-2023
38. Vinay Hegde, Vinod Kumar, " Bio Medical Image compression and enhancement of low contrast image" Seabold report, scopus indexed, DOI 10.52581/Zenedo.7293979, ISSN 1533-9211 (<https://nveo.org/index.php/journal/article/view/2221/1966>) - Q3 Journal <https://www.scopus.com/sourceid/21100199790> (published in Feb 2023)
39. Vinay Hegde, Avinash "SENSOR BASED SOIL NUTRIENT MONITORING IN AGRICULTURE" Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition), ISSN: 1671- 5497 E-Publication: Online Open Access Vol: 42 Issue: 05-2023 DOI : 577/IJERTV11IS100081
40. Vinay Hegde, Chaitali Siddaram Patil " Machine Learning Based Estimation of Energy Optimization of Residential Buildings" , *GIS SCIENCE JOURNAL*, OLUME 8, ISSUE 6, 2021 pp 886-892. (DOI:20.18001.GSJ.2021.V8I6.21.37375). (<http://gisscience.net/VOLUME-8-ISSUE-6-2021>)
41. Vinay Hegde, Avinash B V "Optimizing agricultural yield through sensor based soil nutrient analysis " *Journal of Emerging Technologies and Innovative research (JETIR)* , February 2024, Volume 11, issue 2, ISSN:2349- 5162, pp e474-479.

42. Vinay Hegde, Keerthi Prasad “ Handwritten Character Recognition Using Morlet Stacked Sparse Auto Encoder based Feature Dimension Reduction” *International journal of Intelligent Engineering and systems” Volume 16, No. 2, December 11, 2022 Revised February 10,2023*, DOI: 10.22266/ijies2023.0430.36 Pp 454-461.
43. Vinay Hegde, Adarsh V , Arindam Thakur, Jeet Agarwal, Shivam Razdan “ Learning Assistant powered by Multi Agent framework” *IEEE TRANSACTIONS ON ARTIFICIAL INTELLIGENCE*, VOL. 12, NO. X, 2023

Conference Papers

1. Vinay Hegde, Seemanthini K, “ Human Object extraction in Videos Using Motion Saliency”, IEEE International Conference on Advances in Computer Communication Engineering (ACCE-2014), 21st and 22nd August Vemana Institute of Technology, Bangalore, pp.211-218, 2014.
2. Nagaraja G.S, Anjan K, Vinay V. Hegde, “ A study on E-waste recycling management in unregulated conditions”, 7th International congress of environmental research(ICER-14), Vol.7, pp.638-646, RVCE, Bangalore, 26-28th December 2014.
3. Vinay Hegde, Bhavana V, N.Usha presented a paper on "Various Techniques in deployment of application in cloud –public Cloud" at International conference on Communication and Computing (ICC 2014), organized by the IEEE -ELSEVIER, Society of Information processing, Bangalore held on 12th to 14th June 2014 , Bangalore, India.
4. Vinay Hegde, Manju P “ Cloud computing : stateless application architecture” at 7th International congress of environmental research(ICER-14), Vol.7, pp.738-742, RVCE, Bangalore, 26-28th December 2014.
5. Vinay Hegde, Manjunath A.E, Prafulla SB, N.K.Srinath Presented paper “ Design and Development of Efficient information retrieval using crawling, Indexing, Ranking” Third international conference on Computational Intelligence and Information Technology- CIIT 2013, during 18-19th October 2013 held in Mumbai India, Elsevier Track or IDES Track , PP-247-252.
6. Vinay Hegde ,Dr.T.M.Rangaswamy "Putting Corpus into dictionary(wsd Approach)" International Conference on Computer Applications, ICCA 2010 24th -27 Dec , Pondicherry, India.
7. Vinay Hegde, Dr. T.M.Rangaswamy, " Word Sense Disambiguation- a new approach " International Conference on Emerging Trends in Computer Science ,Communication and Information Technology" CSCIT2010, held during 9 to 11 jan 2010 in Nandel, Maharastra.
8. Keerthi Prasad G, Vinay Hegde, Asha K and Krishnappa H K. “Handwriting recognition system for South Indian languages – A Technical review”, In Proc. CSITSS-17, RVCE, Bangalore, India, Dec.21-23. 2017.
9. Vinay Hegde , Keerthi Prasad G, Imran Khan, Naveen R Chanukotimath, Firoz Khan and Deepak “Online Hindi Handwritten Character Recognition for Mobile Devices”, In IJACS, July 2014, pp. 343-349. Volume-4.
10. Vinay Hegde, Feroz Khan, Keerthi Prasad G, Imran Khan, Deepak D J and Nasreen Taj M B. “Dvadasham (Dodeca) Edge Filter for Impulse Noise, Gaussian Noise, Quantum Noise Reduction in Images”, In COMPUSOFT, *an International Journal of advanced Computer Technology*, July 2013, pp. 204-209. (Volume-II, Issue-VII) ISSN:2320-0790.
11. Vinay Hegde, Pooja Alva, “ Hidden Markov model for POS tagging in Word Sense

Disambiguation"IEEE International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS 2016),Bangalore , october6- 8,2016. PP.279-284

12. Pritam Gajkumar Shah, [Tabassum Ara](#), [Javeria Ambareen](#), [Xu Huang](#), [Vinay V. Hegde](#) "Prevention of simple power Analysis Attacks in Elliptical Curve Cryptography on WSN Platform". IEEE Japan, Kobe, [ICETET 2015](#): 51-55
13. Vinay V Hegde ,Nagaraja G.S, Anjan K Koundinya, Thippeswamy G, " Spatial Data Infrastructures for Urban Governance using High Performance Computing for Smart City Applications ", Third International Conference on Smart Computing and Informatics, Kalinga Institute of Industrial Technology(KIIT),Bhubaneswar-24, Odisha,21- 22, Dec -2018- Springer.
14. Vinay V Hegde ,Nagaraja G.S, Anjan K Koundinya, Thippeswamy G, Mahesh G, " **VoIP Smart speech encoding mechanism using high performance computing**", Third International Conference on Smart Computing and Informatics, Kalinga Institute of Industrial Technology (KIIT),Bhubaneswar-24, Odisha, 21-22, Dec -2018- **Springer**.
15. **Keerthi Prasad G**, Vinay Hegde, Asha K and Krishnappa H K. "**Handwriting recognition system for South Indian languages – A Technical review**", In *Proc. CSITTS-17*, RVCE, Bangalore, India, Dec.21-23. (published in IEEE Digital Explorer in the year 2018)
16. **Sanjay B N , Rakshith D C**, Vinay Hegde, Akash R B "**An Approach to Detect Fileless Malware and Defend its Evasive Mechanisms**", Paper id 529, ISBN 978-15386-6078-2(PRINT) In *Proc. CSITTS-18* , RVCE, Bangalore, India, Dec.21-23.
17. Vinay Hegde, Anjan K, Srinath N K et.al., Exploration of covert schemes and their embodiments in Hybrid Covert channel, Proc. of The Second Intl. Conf. On Advances In Computing, Control And Networking - ACCN 2015, Aug 28-29, 2015, Bangkok, Thailand. , ISBN: 978-1-63248-073-6 doi: 10.15224/ 978-1-63248-073-6-17.
18. Vinay Hegde ,P. G. Shah, T. Ara, J. Ambareen, X. Huang , "Prevention of Simple Power Analysis Attacks in Elliptical Curve Cryptography on WSN Platform,"*2015 7th International Conference on Emerging Trends in Engineering & Technology (ICETET)*, Kobe,Japan,Nov2015,pp.51-55. DOI: 10.1109/ICETET.2015.28
19. Vinay V Hegde , AnjanK, Srinath N K, Jibi Abraham "Exploration of covert schemes and their embodiments in Hybrid Covert channel -Deep Insight into Covert Channel" Proc. of The Second Intl. Conf. On Advances In Computing, Control And Networking - ACCN 2015 Copyright © Institute of Research Engineers and Doctors, USA .All rights reserved. ISBN: 978-1-63248-073-6 doi: 10.15224/ 978-1-63248-073-6-17
20. Vinay Hegde, vihaan nama, satish babu " Sentiment Analysis of Movie Review: A comparative study between Naïve bayes classifier and Rule based approach" *InternationalConferenceonInnovativeTrendsInInformationTechnology(ICITIT-21)*,whichisheldvirtually on11-12February2021,organizedbyIIITKottayam,Kerala,India (IEEE Conference Record No: 51526) scopus indexed , published in IEEE Explorer.

Books/Book Chapters

1.



books.google.co.in > books

Smart Intelligent Computing and Applications: Proceedings of ...

Suresh Chandra Satapathy, Vikrant Bhateja, J. R. Mohanty · 2019

FOUND INSIDE – PAGE XV

... **Vinay V. Hegde** Spatial Data Infrastructures for Urban Governance Using High-Performance Computing for Smart City Applications 585 G. S. Nagaraja, Anjan K. Koundinya, G. Thippeswamy and **Vinay V. Hegde**
Evaluation of Content ...

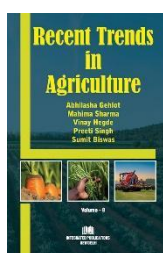
2,

Published as a springer book chapter: (https://oa.mg/work/10.1007/978-981-32-9690-9_64)

SpatialData Infrastructures for Urban Governance Using High-Performance Computing for SmartCity Applications” proceedings of Smart Intelligent Computing and Applications – 2020 International Conference on Smart Computing and Informatics, October 2019, Volume 2,pp 585-592.

DOI:[10.1007/978-981-32-9690-9_64](https://doi.org/10.1007/978-981-32-9690-9_64)

- In book: Smart Intelligent Computing and Applications (pp.585-592)



3.

Recent Trends In Agriculture (Volume - 9)

₹ 1,484.00

Editors : Abhilasha Gehlot, Mahima Sharma, Vinay Hegde, Preeti Singh and Sumit Biswas

ISBN : 978-93-5834-468-4

Language : English

Pages : 366
Publication : 2023
Year

Patents [Filed / Published / Granted]

1. [Patent Title], [Patent No.], [Year].

R &D Grants & Consultancy Projects

Executed consultancy projects worth 20 lakhs till now.

Ongoing & Completed Research Projects

- [Project Title] – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].
- [Project Title] – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].

Ongoing & Completed Consultancy Projects

SPONSERED PROJECTS under taken / Consultancy work done

Sl. No	Title of the Project	Sponsoring Agency	Amount of Grant	Period	Present Status
1	Design and development of robot controllers to support 10 DC Motors , 20 limit switches with storage, wi-fi support	Robot Entertainment , Bangalore	Rs. 59,000/	14/1/2023	Completed
2	Automate the tracing of inferior aveolar canal (nerve cell) in the mandible and the measurements made from the crestal bone to the canal in CBCT scans	Dr. A.R.VinodKumar, Dentist, Mugulnage Dental center KST, Bangalore 560060	Rs.2,00000/	3/3/2023	Completed
3	Design and development of static and dynamic pages for a mattress company “ Dhanya Plastics “ for 3 years	Mrs. Mamatha Hegde, Director Neend Mattress, Bangalore	Rs. 11,00000/	12/12/2022	Completed 80% of the work.
4	Development of Vending Machine solutions for country craft (design and development of “smart Vending Machine for creative handicraft display)	Country Craft #1716(1 st Floor) 19 th Main, 27 th Cross, Sector-2, HSR layout, Bangalore 560102	Rs. 4,000,00	Nov 20,2024	Yet to be started
5	Development of App for “ Namma yatri AI based problem resolution framework	Govt of Karnataka	Rs. 100000	Nov 15, 2024	Already developed framework

6	<p>Executing a Research Collaboration between RVCE and Purdue University first time from CS Department for Major Project titled "Detection of Vulnerable Github workflows using Unsupervised learning" as a Major project (Inter-disciplinary) between CS and Telecom department final year students along with Dr. Aravind, Assistant Professor with Purdue University.</p>	RVCE and Purdue University			Completed and work also got published as Journal
8	<p>As a part of mentor of the Krishna Shedbalkar and his team CISCO thingabator, we have been shortlisted to receive a award of 5,00,000 with a certificate of Excellence for the ideas of building startup at national level as a part of CISCO CSR</p>	CISCO CSR	5,00,000		Completed and Mentored the students successfully

Professional Memberships

IEEE	Member, IEEE. IEEE Member , # 93326101
------	---

Awards & Recognitions

- **RSST Honored me for getting my PhD during Jan 2017.**
- Selected as “ Mentor of change” for Atal Tinkering Labs, Atal Innovation Mission, Govt. of India, Niti Ayog in Sep 2018. Assigned to mentor Javahar Navodaya Vidyalaya , Assam School in North east, India.
- Felicitated by Governor of Chattisgar and Madhyapradesh (Smt. Anandi Ben)at Manas sarovar University , Bhopal for Contribution to field of Computer Science during Feb 2019.



- [Award Name], [Organization], [Year]
- [Achievement], [Details], [Year]

Student Supervision

- **Ph.D. Candidates:**4,1 candidate PhD. Viva Voce is fixed.
- **M.Tech/M.Sc. Students:** [40]
-
- **Undergraduate Research Mentees:** [60]

Professional Roles

Editorial Board: Editor In Australian Journal of Wireless Technologies , Mobility and Security.

(<https://www.ausjournal.com/index.php/Ausjournal/about/editorialTeam>)

- **Chair/Committee Member:** Publicity chair, *IEEE International Conference CSITSS 2025*
- **Industry Advisor:**

Teaching

Core Courses: [Current semester]

UG Course : Web Semantics and Social Media Analytics (6th sem)

PG Course : Computer Vision (2nd Sem M.Tech)

Advanced/Lab Courses:

- BiG Data Analytics Lab
- Skill lab co ordinator

Professional Roles

- **External Jury Member:** [PhD Examiner, Dayanand Sagar Univeristy Banglaore]
- **Committee Member:** [Publicit Committee, 7th IEEE International Conference on “Computational Systems and Information Technology for Sustainable Solutions [CSITSS - 2023]]
- **Committee Member:** [Publicity Committee, 6th IEEE International Conference on “Computational Systems and Information Technology for Sustainable Solutions [CSITSS – 2022]]
- **Committee Member:** [Publicity committee, 5th IEEE International Conference on “Computational Systems and Information Technology for Sustainable Solutions [CSITSS – 2021]]
- **Industry Advisor:** NXP semiconductorsPvt. Ltd., Bangalore]

Responsibilities

- **Academic:** [Professor CSE-]
- **Administrative:** [BoS Member, BoE Member, Department Compliance Committee Member, Lab In-charge, Higher Education details co ordinator, UPSC co ordinator (college Level)]

External Connect

- Member of BoS/ BoE at Dr. AIT Bangalore.
- Member of Research Advisory Committee at Presidency University, Bangalore.
- ATAL Tinkering lab, National Level.
- Member of Evaluation committee, MSME at All India level.
- SAMSUNG R&D INSTITUTE INDIA-BANGALORE PRIVATE LIMITED (“SRI-B)

