Name : Dr. P. V. SIVA KUMAR

Designation: Associate Professor

Department: Computer Science and Engineering

Mail.I.D: sivakumar_pv@vnrvjiet.in

Experience (in years): Teaching: 18 years Research:

1. Educational / Technical qualifications:

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S.No	Level (UG / PG / Ph.D)	Year of	Specialization					
		passing						
1.	Master of Applications (MCA)	1999	Computers					
2.	M.Tech (CSE)	2007	CSE					
3.	PhD	2016	CSE					

2. Teaching and Learning:

2.1 Teaching Interests: Algorithms, C Programming, Data Structures, MFCS,

Distributed Systems, Computer Networks, Computer Organization

2.2 Novel Teaching & Learning Techniques adopted: Group Discussions, WIT and WIL,

POGILand Case Studies

2.3 Involvement in curriculum updating / Design: BoS member for CSE and IT

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies:
- Encourage students to participate in various events.
- Reading books
- 3.2. CCA/ECA Organized:
- Organized national level technical symposium CONVERGENCE for the year 2007,2008 2009,2010,2011, 2012 and 2013.
- conducted various guest lectures, quiz and paper presentation computation through CSI student branch.
- Conducted Webinars, Foundation Programme of Infosys campus connect program. Conducted various events for students through IEEE student branch, VNR VJIET.

3.3. CCA/ECA participated:

- Faculty Coordinator for CONVERGENCE for the year 2007, 2008, 2009 and 2010.
- Co-Convener for CONVERGENCE2K11 for the year 2011.
- Convener for CONVERGENCE2K13, CONVERGENCE1K12 and CONVERGENCE Reloaded during the year 2012.
- CSI student branch counselor from 2006 to 2011.
- IEEE student branch faculty advisor from 2012 to 2015.
- Co-coordinator, Academic Section during 2011-12.
- Co-ordinator, Academic Section since 2012-2016.
- Nodal Officer, Academics, TEOIP-II Project.
- Faculty coordinator for the Infosys campus connect foundation Porgramme.
- Actively involved in Sports Fest, College day celebrations and Cultural day celebrations conducted every year.
- 3.4. Counseling and Mentoring Activity:

Counseling and mentoring the students in their studies and personal problems.

3.5. Committees involved in:



Department level:

Member of Department Academic Committee

Member of Department Development Committee

SPoC Infosys Campus Connect Program,

BoS member for CSE and IT.

Institute Level:

Convener for CONVERGENCE (2006-2014)

Institute Academic Committee member(2011-2016)

Co-ordinator AcademicSection (2011-16)

Academic Nodal officer - TEQIP-II

Faculty advisor for IEEE student branch (2010-14)

Faculty co-ordinator for CSI Student chapter (2007-2010)

Member for Annual Day, Sports fest and Cultural day committee.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1Conducted:

- Conducted Workshop on C and C++" on 29 February 2020 in association with IIT Bombay.
- Conducted two day workshop on "AI DEEP learning" in association with Binary Keys and Deep Cognition during 28th Feb and 1st March, 2019.
- Conducted five day short term training program on "Applied Cryptography & Security Mechanisms" in association with CSI, VNR VJIET during 03rd to 08th December, 2018.
- Conducted paper presentations and evaluated the technical papers during convergence(reloaded) 2k18.
- Conducted paper presentation session as chair at first international conference on Artificial Intelligence and Cognitive computing domain conducted by MLR Institute of Technology, Hyderabad during 2-3rd Feb, 2018.
- Conducted two-week FDP (FDP201x) on "Pedagogy for online and Blended Teaching Learning Process" in association with IIT Bombay during sep-oct,2017.
- Conducted two-week FDP (FDP101x) on "Foundation Program in ICT for Education" in association with IIT Bombay during Aug,2017.
- Conducted FDP on "Data Analytics with R" in association with E&ICT academy, NIT Warangal during 15th 20th May, 2017.
- Conducted paper presentation session as co-chair during 3 Day IEEE international conference IACC2017 conducted by VNRVJIET during 5th-7th January, 2017.
- Conducted workshop on Android applications during 20-21 dec 2014 at VNR VJIET.
- Conducted a three day short term course on "Latest trends in Advanced Technologies" in the department during 20-22nd January, 2011.
- Conducted a three day workshop on "Latest Adobe Technologies" through CSI student branch during Convergence'10 (17th 19th March,2009).
- Conducted a webinar session on "Cryptography & its applications" by Infosys campus connect team on August 21, 2009.
- Conducted a webinar session on "Rich Internet Applications & Silverlight" by Infosys campus connect team on March 20, 2009.
- Conducted a three day workshop on "Latest Microsoft Technologies" through CSI student branch during Convergence'09 (4-6th March,2009).

- Conducted a three day workshop on "Multimedia and Animation" through CSI student branch during Convergence'08 (12-14th march,2008)
- Conducted a three day short term course on "Software Economis" in the department during $14^{th} 16^{th}$ February, 2008.
- Conducted a two day short term course on "MIDDLEWARE TECHNOLOGIES" in the department during 23rd -24th February, 2007.
- Conducted a one day workshop on "Ethical hacking" through CSI Student Branch.
- Conducted .NET workshop for the students through CSI Student Branch.
- Conducted a three day workshop on "Pearl, Python and .NET" through CSI Student Branch during CONVERGENCE'07.
- Conducted preliminary examinations for the INFOSYS ASPIRATIONS2007.
- Conducted many technical and non technical events, quiz, Project Expo, seminars and lectures for students through CSI Student Branch.

4.2 Attended:

- Short term intensive course on "Design and Analysis of Algorithms" conducted by Vignan's Engineering College, Vadlamudi, Guntur from 12th May to 16th May,2003.
- Attended one day symposium on "Systems approach to Project management" organized by Project Management Institute-Pearl City Chapter on 8th January,2005.
- Attended short term course entitled "Object-Oriented Analysis and Design using the UML with Fundamentals of Rational Rose" from $6^{th} 7^{th}$ December, 2005 conducted by IBM.
- Participated in two day workshop on "Secured Networks" during 10th 11th August, 2006 at Vasavi College of Engineering, Hyderabad.
- Participated in workshop on "web Application Development & Information Management Tools" during 12th -13th July, 2007 held at Vasavi College of Engineering organized by IBM.
- Participated in five day workshop on "Foundations of Information Security", Organized as part of Information Security Education Awareness Project (ISEAP), MCIT,DOE,Government of India, New Delhi by the Department of Computer Science and Engineering, NIT, Warangal from 1st 5th October, 2007.
- Participated in workshop "BOSS (Bharat operating system software)" conducted by CDAC, Hyderabad on 18th December,2008.
- Participated in workshop "insight09" conducted by Infosys during 6-7th April,2009.
- Participated in 2day workshop on "Faculty Development Program" conducted by VNR VJIET during 1st -2nd July,2009.
- Participated in 2day workshop on "INSIGHT-09 Skill building" conducted by Infosys, Hyderabad during 6th 7th April'09.
- Attended one day session on "Awareness Program" at Infosys, Hyderabad along with the Infosys selected students during May'09.
- Participated a 3day workshop on "Multicore Architectures and Programming with IBM Cell" conducted by IIIT, Hyderabad during 23rd 25th July,09.
- Participated a one day seminar session on "Foundation Programme" conducted by Infosys at BVRIT on 29th July,09.
- Participated in "Ethical Hacking" seminar by Ankit Fdia, conducted by IT Dept, VNR VJIET on 9th February'09.

- Participated in workshop "Network Management Systems" conducted by IT Department, VNR VJIET during 27-29th January,2011.
- Attended "Faculty Development Program" conducted by Infosys, Hyderabad organized at ANITS, Vizag during 30th may- 3rd June, 2012.
- Participated in SDP on "Recent Trends in Networking and Security" conducted by IT Department, VNR VJIET during 13th 25th June, 2012.
- Participated one-day seminar on "Employable Skills" conducted by Deloittee on 31st March,2012.
- Attended *shadow Engineering* at M/s Keerthi Industries, Kodad during 3rd April 6th April, 2013.
- Participated seminar on "Advances in Soft Computing" conducted by CSE Department, VNRVJIET during 14th December, 2012.
- Participated in workshop on "Security and Privacy in Cloud Computing" conducted by IT Department, VNR VJIET during 25th 26th March, 2013.
- Participated one-day seminar on "Research Publications and Documentation" conducted by CSE Department, VNR VJIET on 4th May, 2013.
- Participated in the AICTE sponsored staff development program on "Recent Trends in Cloud Computing & Security" organized by the department of IT, VNR VJIET during $3^{rd} 15^{th}$ June, 2013.
- Participated in the two day national level workshop on "Advances in Information Security" under TEQIP-II during 2nd & 3rd August, 2013 at Vasavi College of Engineering, Hyderabad.
- Participated in a short term course on "Engineering Pedagogy and Curriculum Development" under the Quality Improvement Programme of AICTE, New Delhi conducted during 21st -25th October, 2013 conducted by center for continuing education IISc, Bangalore.
- Participated in International Conference on Data Sciences (InDas) 26th-28th Feb,2014 conducted by Departments of CSE and IT, VNR VJIET, Hyderabad.
- Participated in Network Security and Cyber forensics workshop druing 23-25th Oct,14 conducted by VNR VJIET.
- Participated in Engineering the education scenario towards learner centric environment during 4-6 Aug, 2014 conducted by VNR VJIET.
- Participated in Mathematical principles of Cryptography and Cryptanalysis during 1-2 Dec, 2014 conducted by HCU.
- Participated in FDP on "Use of ICT in Education for Online and Blended Learning during 2 May 2016 to 10 July 2016 conducted by IIT Bombay.
- Participated in Faculty Development Program on "Algorithms" conducted by JNTUH college of Engineering, Hyderabad during 20th 25th Sept 2016.
- Participated in 3 Day IEEE international conferenceIACC2017 conducted by VNRVJIET during 5th-7th January, 2017.
- Participated in two day workshop on "orientation workshop" during 25th 26th March, 2017 conducted by IIT Bombay.
- Participated and act as reviewer for the papers in first international conference on Artificial Intelligence and Cognitive computing domain conducted by MLR Institute of Technology, Hyderabad during 2-3rd Feb, 2018.
- program committee member / Reviewer for "4th International Conference of Networks, Communications, Wireless and Mobile Computing" during August 25~26, 2018, Dubai, UAE.

- Program Committee Member / Reviewer for "4th International Conference on Natural Language Processing (NATP 2018)" during September 29~30, 2018, Copenhagen, Denmark
- organizing committee member for International Conference on Recent Trends in Automation (ICRTA-2018) conducted by Vasireddy Venkatadri Institute of Technology, & Institute for Engineering Research and Publication (IFERP), Guntur, Andhra Pradesh during 1st-2nd, November, 2018.
- Organizing committee member for International Conference on Advances in Signal Processing, Power, Embedded, Soft Computing, Communication and Control Systems (ICSPECS-2019), 11th- 12th January, 2019, GPREC, Kurnool, Andhra Pradesh.
- Technical Program Committee member for International Conference On Software Product Engineering and Configuration System (ICSPECS-19) organized by Institute for Engineering Research and Publication (IFERP) at Pune during 22nd 23rd March, 2019.
- Presented a paper in 2nd International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT-2019) during 23rd and 24th May, 2019.
- Program committee member for International Conference on Engineering, Education and Entrepreneurship (ICEEE-2019) conducted at Delhi on 29th July, 2019.
- Program committee member for 5th International Conference on Natural Language Processing (NATP 2019) conducted at Chennai during 17-18 August, 2019.
- Program committee member for 8th International Conference on Natural Language Processing (NLP 2019) conducted at Copenhagen, Denmark during 28th -29th September, 2019.
- Attended "One Day Coordinators' Workshop on C and C++" on 15 February 2020 conducted by IIT Bombay.
- Attended "Faculty Awareness Program on NAAC Accreditation" conducted by Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Pune, India during 10/05/2020 to 15/05/2020.
- Participated in Three-Days Online Short Term Course on "Online Tools & Software for Remote Teaching -Learning" conducted by UGC-HUMAN RESOURCE DEVELOPMENT CENTRE (UGC-HRDC) Jawaharlal Nehru Technological University Hyderabad Kukatpally, Hyderabad 500 085, Telangana, India from 16th to 18th May, 2020.
- Participated in 'Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' conducted by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT), MHRD, Govt. of India on 17 May 2020.
- Participated in "A Five Day Faculty Development Program" on "Blockchain Technologies" conducted by LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS) from 19-05-2020 to 23-05 -2020.
- Participated in "Five days Online Faculty Development Program on ARTIFICIAL INTELLIGENCE" conducted by Department of Computer Science and Engineering, Engineering and Technology Program, Gayatri Vidya Parishad College for Degree and PG Courses(A) in collaboration with BRAIN O VISION from 22 May 26 May, 2020.
- Participated in National Level Quiz on NAAC and NBA conducted by Department of Computer Engineering, P.V.P.P. College of Engineering, Mumbai-22 on 06/06/2020.
- Participated in National Level Quiz on "E-Learning" conducted by Department of Computer Engineering, P.V.P.P. College of Engineering, Mumbai-22 on 16/06/2020.
- Technical committee member for International Conference on Computational Linguistics and Natural Language Processing (CLNLP 2020) conducted at South Korea, July 20-22, 2020.

- Programme committee member for 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
- Program Committee Member / Reviewer of "9th International Conference on Natural Language Processing (NLP 2020) conducted at Zurich, Switzerland during November 21~22, 2020.
- Program Committee Member / Reviewer of " 6th International Conference on Natural Language Computing (NATL 2020) conducted at Sydney Australia during December 18 19, 2020.
- program committee member / Reviewer of "10th International Conference on Software Engineering and Applications (SEAS 2021)" during February 20~21, 2021, Dubai, UAE
- Editorial board member and programming committee member of "7th International Conference on Natural Language Processing (NATP 2021) " Conference conducted at Vienna, Austria during March 20-21, 2021.
- Program committee member / Reviewer of " 7^{th} International Conference on Cryptography and Information Security (CRIS 2021)" conducted at Sydney, Australia during March $27 \sim 28$, 2021.
- Scientific Committee Member for International Conference on Recent challenges in Engineering, Science and Technology (ICRCEST-2K21) on April 09th- 10th 2021 organized by Ramachandra Engineering College, Eluru, Andhra Pradesh in Association with IFERP (Institute For Engineering Research and Publication).
- Program Committee Member / Reviewer of "2nd International Conference on Natural Language Processing & Computational Linguistics (NLPCL 2021)", conducted at Vancouver, Canada during 29-30th May, 2021.
- Program committee member / Reviewer of "6th International Conference on Software Engineering (SOEN 2021)" conducted at Vancouver, Canada during May 29~30, 2021.
- Program committee member / Reviewer of "10th International Conference on Software Engineering and Applications (SEA 2021)" to be held in June 19 ~ 20, 2021, Copenhagen, Denmark.
- program committee member / Reviewer of "International Conference on Natural Language Computing and AI (NLCAI)" to be held in June 19 ~ 20, 2021, Copenhagen, Denmark.
- Programming Committee Member of "2nd International Conference on Natural Language Computing Advances (NLCA 2021) " Conference during June 26~27, 2021, Sydney, Australia.
- Program committee member / Reviewer of " 2nd International Conference on Semantic & Natural Language Processing (SNLP 2021)" during July 10~11, 2021, Toronto, Canada.
- Program Committee Member / Reviewer of "7h International Conference on Natural Language Computing (NATL 2021) to be held in November 27-28, 2021, London, United Kingdom.
- program committee member / Reviewer of " 10th International Conference on Software Engineering and Applications (JSE 2021)" to be held in December 23 \sim 24, 2021, Sydney, Australia

5. Academic Contribution and Research & Consultancy:

- 5.1. Invited Lectures: 04
- 5.2. Articles / Chapters published in Books: 01

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

5.4. Projects Guided:

a) UG: 30 b) PG: 8

5.5. Research Interests: Computer Networks and Information Security

5.6. Ph.D students:

a) Enrolled: N/A b) Submitted: N/A c) Awarded: N/A

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP ISBN/IS No.		Impact Factor/ Citation Index	National/ International
1	A Comparative Study On Manual And Automated System for Wieless Networks	Journal of Theoretical and Applied Information Technology. Vol. 22. No.1 Pages:43-50	1509 -JATIT	2010	International
2	A Comparative study of Manual and Automated System for Wireless Networks	International Journal of Systems and Technologies Vol.3, No.2, pp 193-205.	ISSN: 0974-2107	2010	International
3	Stability Analysis of Discrete-Time Bidirectional Associative Neural networks with Hysteresis	CiiT International Journal of Artificial Intelligent Systems and Machine Learning, Vol 4,No 7, July 2012	ISSN (Online): 0974- 9543 - ISSN(P rint):0974- 9667 with impact factor 0.763	July, 2012	International
4	Global Exponential Stability Result for Complex Valued Hysteretic Neuron Model	International Journal of Machine Intelligence and Sensory Signal Processing, Published by Inderscience Journals	ISSN(Online): 2048-917X- ISSN(Print): 2048-9161	2013	International
5	Input-Output Stability of Neural Network with Hysteresis	International Journal of Computer Information	ISSN: 2150-7988 Volume	2014	International

	Verifiable Secret Sharing protocol for Mobile Ad-hoc	Systems and Industrial Management Applications. CiiT International Journal of Networking and	6(2014) PP.391-403. ISSN 0974 – 9616.	April, 2014	International
6	Networks	Communication Engineering, [S.l.], v. 6, n. 2, Apr. 2014.			
7	Multi-Level Secret Sharing Scheme for MobileAd-Hoc Networks	Int. J. Advanced Networking and Applications Volume: 6 Issue: 2 Pages: 2253-2261	ISSN: 0975-0290	2014	International
8	Development of a Scalable System for Stealthy P2P Botnet Detection",	International Journal of Computer Science and Information Technologies, Vol. 6 (4) Pages:3452-3456	ISSN:0975- 9646.	2015	International
9	Code based Secret Sharing Schemes for MANET Vol.9, Issue 39 pp:1-6	Indian Journal of Science and Technology	ISSN (Print): 0974-6846 ISSN (Online) : 0974-5645	2016	International
10	Group Data Sharing in Cloud Environment using Key Aggregate Mechanism Vol. 05, Issue.01, January, 2017, Pages: 0062-0065	International Journal of Innovative Technologies	ISSN: 2321- 8665	2017	International
11	A Comparative study of different attribute based encryption models for cloud data security. Vol.51 No.2 November,2017. International Journal of Mathematics Trends and Technology (IJMTT)		ISSN: 2231- 5373	2017	International

12	Efficient quantum cryptography technique for key distribution	Journal européen des systèmes automatisés – n° 4-6/2018, 283-293 284 JESA. Volume 51 – n° 4-6/2018		2018	International
13	Different Methodologies on Block chain Consensus Models – A Survey. Vol.5, issue 4 December,2018 Pages: 635-645	International Journal of Research and Analytical Reviews (IJRAR)	E-ISSN 2348- 1269 P-ISSN 2349- 5138	2018	International
14	Secure Auditing and Effective Data Storage in Cloud Environment by using Key Management. Volume.08, Jan-Dec- 2019, Pages:122-125	International Journal of Scientific Engineering and Technology Research(IJSETR)	ISSN 2319- 8885	2019	International
15	VisionBased Robotic Car Volume VIII, Issue XI, November/2019 Pages 317-324.	International Journal of Research	Volume VIII, Issue XI, November/20 19 ISSN NO:2236- 6124	2019	International
16	Problem Solving Optimization using Dynamic Programming Approach Volume 8 Issue VI June 2020 International Journal for Research in Applied Science and Engineering Technology (IJRASET)		ISSN: 2321- 9653	2020	International

	Examination of	The International	ISSN	2020	International
	clients conduct in web	journal of	NO:0886-		
17	based business sites	analytical and	9367		
1 /	Volume XII, Issue IX,	experimental			
	September/2020	modal analysis			
	Pages:550-558				

5.8. Papers presented at National / International Conference:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Global Dynamics of Bidirectional Associative Neural Networks with Hysteresis.	on Systemics,	International	February, 2012
2	MAC Protocols for Wireless Sensor Networks – A Comparative Study	on Systemics,	International	February, 2012
3.	Global Dynamics of Discrete-Time Hysteresis Neural Networks		EISSN: 0975- 8887 National	April, 2012
4	Exponential Stability of Hysteresis Neural	12 th International	IEEE catalog number:	2012

	Networks with	Design and applications,	International	
	Varying Inputs	449-454		
	A Proposed	2 nd International	ICCNCT 2019, LNDECT	2019
	Blockchain Model	Conference on Computer	44, pp. 107–115, 2020.	
	to Enhance Student	Networks and Inventive	https://doi.org/10.1007/978-	
5	Knowledge	Communication	3-030-37051-0_12	
		Technologies (ICCNCT		
		-2019), $23^{rd} - 24^{th}$ may,	International	
		2019.		

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

- Completed NPTEL courses.
- Translated NPTEL cloud computing course in to Telugu language
- One of the top performer of the course "Use of ICT in Education for Online and Blended Learning" conducted by IIT Bombay.
- Worked as Program committee member for various International conferences.
- Worked as Technical Committee member for various International conferences and evaluated many conference papers.

Reviewed the papers in the journals:-

- 1. Journal of Advances in Mathematics and Computer Science
- 2. Asian Journal of Research in Computer Science
- 3. Journal of Advances in Mathematics and Computer Science
- 4. Physical Science International Journal
- 5. Asian Research Journal of Mathematics
- 6. Current Journal of Applied Science and Technology
- 7. Asian Journal of Mathematics and Computer Research
- 8. Journal of Economics, Management and Trade
- 9. Asian Journal of Probability and Statistics
- 10. Journal of Education, Society and Behavioural Science
- 11. Asian Journal of Advanced Research and Reports
- 12. Journal of Engineering Research and Reports
- 13. Journal of Scientific Research and Reports
- 14. International Astronomy and Astrophysics Research Journal
- 15. Asian Journal of Economics, Business and Accounting
- 16. Asian Journal of Education and Social Studies
- 17. Journal of Materials Science and Research and Reviews

- 18. Asian Journal of Research and Review in Physics
- 19. Journal of Energy Research and Reviews
- 20. Advances in Research
- 21. Advances in Science, Technology and Engineering Systems Journal
- 22. Archives of Current Research International
- 23. Asian Journal of Agricultural Extension, Economics & Sociology
- 24. Advances in Systems Science and Applications
- 25. Asian Research Journal of Arts & Social Sciences
- 26. Bio-Algorithms and Med-Systems(WOS)
- 27. International Journal of Electrical and Computer Engineering (IJECE)
- 28. Journal of Applied Physical Science International
- 29. Journal of Basic and Applied Research International
- 30. South Asian Journal of Social Studies and Economics.

Journal Editorial Member

- 1. Journal of Android and IOS Applications and Testing
- 2. Journal of Web Development and Web Designing
- 3. Journal of Computer Science Engineering and Software Testing
- 4. Journal of Information Technology and Science
- 5. Journal of Network Security Computer Networks
- **7. Motto:** Work is Worship & Efficiency is Divine, Work hard to achieve your goals.