JSS Mahavidyapeetha
JSS Academy of Technical Education, Bengaluru
Department of Information Science & Engineering

FACULTY PROFILE

1. Personal Details

NAME	**Dr. Abhijith H V**
DEPARTMENT	**Information Science and Engineering**
DESIGNATION	**Associate Professor**
PHONE	**9480112279**
EMAIL ID	**abhijithhv@jssateb.ac.in**
TEACHING EXPERIENCE	**10**
INDUSTRY EXPERIENCE	**1**
RESEARCH EXPERIENCE	**2**

2. Qualification

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
Ph.D	Internet of Things	Sai Vidya Institute of Technology, Bengaluru	Visvesvaraya Technological University, Belagavi
M.Tech	Computer Networks and Engineering	BMS College of Engineering, Bengaluru	Visvesvaraya Technological University, Belagavi
BE	Information Science and Engineering	APS College of Engineering, Bengaluru	Visvesvaraya Technological University, Belagavi
PUC	PCMB	National PU College Jayanagar, Bengaluru	Karnataka State Board
SSLC	-	Acharya High School, Gowribidanur	Karnataka State Board

3. Membership of Professional Bodies:

1. **Member of IEEE**
2. Member of IAENG

4. Awards

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization
Teaching Excellence Award	2015-16, 2017-18, 2019-20 and 2020-21, 2021-22.	Sai Vidya Institute of Technology
Obtained best paper award in National Conference on Cognitive Computing 2019	26-27 April 2019	Presidency University

5. Publications (Journals Conferences)

International Journals

1. "Intelligent Data Aggregation Framework for Resource Constrained Remote Internet of Things Applications" International Journal of Advanced Computer Science and Applications(IJACSA),12(5), 2021. (ESCI and Scopus Indexed – Q3 Quartile)http://dx.doi.org/10.14569/IJACSA.2021.0120518
2. "Secure Data Transmission Framework for Internet of Things based on Oil Spill Detection Application" International Journal of Advanced Computer Science and Applications(IJACSA), 12(5),2021. (ESCI and Scopus Indexed - Q3 Quartile) http://dx.doi.org/10.14569/IJACSA.2021.0120523
3. "Intelligent Determination of Shortest Route for Troop Movement in Military Operations By Applying ISR in Wireless Sensor Networks", Studies in Indian Place Names (**UGC Care 1 Journal**), ISSN:2394-3114 Vol-40-Issue-70-March -2020, Pg 542-548
4. "An Android Based Application For Dynamic Travel Planning", International Journal of Research and Analytical Reviews, E-ISSN: 2348-1269, P-ISSN:2349-5138 Vol 7, Issue-2 June 2020 Pg: 169- 173
5. "Android Backdoors", International Journal of Research and Analytical Reviews, E-ISSN: 2348- 1269, P-ISSN:2349-5138 Vol 7, Issue-2 June 2020 Pg: 169-173
6. "Intelligent Oil Spill Detection in Ocean Using Internet of Underwater Things", Tata McGraw Hill Grenze International Journal of Computer Theory and Engineering , Special issue 2017, **Tata McGraw Hill Grenze ID: 01.GIJCTE.3.4.28**, Pg:189-194
7. "Prevention of Illegal logging of Trees using IOT", Tata McGraw Hill Grenze International Journal of Computer Theory and Engineering , Special issue 2017, **Tata McGraw Hill Grenze ID: 01.GIJCTE.3.4.30**, Pg:203-208
8. "Comparative Study on Data Aggregation Techniques for Wireless Sensor Networks", International Journal on Recent and Innovation Trends in Computing and Communication, Volume2 Issue 4, ISSN 2321-8169, ISRA Journal Impact Factor: 1.376, Page 838-845.

International Conferences

1. "PeerConnect: Live Virtual Event Platform by using Web Server," *2022 7th International Conference on Communication and Electronics Systems (ICCES)*, 2022, pp. 1663-1666, **doi: 10.1109/ICCES54183.2022.9835920.**
2. "FindMe- A Social Networking Platform", 4th International Congress on advances in mechanical and system Engineering, organized by STEM Research Society in joint technical collaboration of Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab and Shobhit University, 12th – 14th August 2022
3. Design of Hierarchical Data Aggregation for Internet of Underwater Things, International Conference on Global Convergence in Technology, Entrepreneurship computing and value engineering: principles and practices (ICGCP-2021), Organized by Sapthagiri college of Engineering, Bangalore, 16th -17th July 2021.
4. place-Que: Web and Andriod based application for career path development of the student, International Conference on Global Convergence in Technology, Entrepreneurship computing andvalue engineering: principles and practices (ICGCP-2021), Organized by Sapthagiri college of Engineering, Bangalore, 16th -17th July 2021.
5. Intelligent Determination of Shortest Route for Troop Movement in Military Operations byApplying ISR in Wireless Sensor Networks (August 7, 2020). ICTTSTM-2020 organized by Sai VidyaInstitute of Technology, Bangalore and Institute of Scholars (InSc), July 2020, Available at SSRN: https://ssrn.com/abstract=3668878
6. "Predictive Analysis of Student's Performance", 2019, 4th **IEEE International Conference** on RecentTrends on Electronics, Information, Communication & Technology (RTEICT), 17-18 May 2019, SVCE, Bengaluru.
7. "An IOT based system to prevent illegal cutting of trees", International Conference on Topical Transcends in Science Technology and Management 2018, Aug 17, 18, 2018, SVIT, Bangalore
8. "Intelligent boundary determination of oil spill detection using IOT", International Conference onInternet of Things and Connected Technologies, (Elsevier Conference), 26-27 March 2018, MIT, Jaipur. **Elsevier SSRN: https://ssrn.com/abstract=3167315**
9. "Intelligent Agriculture mechanism using Internet of Things", Sixth International Conference on Advances in Computing, Communications and Informatics (ICACCI'17), 13-16 September 2017, Manipal Institute of technology, Manipal, Karnataka. **IEEE Xplore DOI:978-1-5090-6366-6/17**
10. "Intelligent Oil Spill Detection in Ocean Using Internet of Underwater Things", International Conference on signal, Image processing, Communication and Automation, 6 -7 July 2017, JSSATE,Bangalore.
11. "Prevention of Illegal logging of Trees using IOT", International Conference on signal, Image processing, Communication and Automation, 6 -7 July 2017, JSSATE, Bangalore.
12. "Energy Efficient Multilevel Hierarchical Data Aggregation Technique for Wireless Sensor Networks", 5th IEEE International Advance Computing Conference 2015, 11-12 June 2015 BMSCE,Bangalore. **IEEE Xplore DOI : 10.1109/IADCC.2015.7154688**
13. "Efficient Multilevel Data Aggregation Technique for Wireless Sensor Networks", International conference on controls, circuits and communications 2013, 27-28 December 2013 RNSIT Bangalore, Print ISBN 978-1-4799-1599-6, **IEEE Xplore DOI :10.1109/CCUBE.2013.671854.**
14. "Energy Adaptive Greedy Routing Protocol for Wireless Sensor Networks with RF Energy Transfer",International conference on Advanced Computer Science and Information Technology 20th January 2013 Bangalore, ISBN 978-93-82702-06-1

National Conferences

1. "Intelligent Method using IoT to determine oil spill spread rate while avoiding data looping", National Conference on Cognitive Computing 2019, 26-27 April 2019, Presidency University, Bengaluru.
2. "Design of Hierarchical data aggregation mechanism for underwater sensor networks", National Conference on

Science, Engineering and management 2K19, 9-10 May 2019, OCE, Bangalore
3. "IoT based system to prevent illegal logging of trees", Third National Conference on Advances in Computing and Information Technology (ACIT-2018), 11-12 May 2018, Reva University, Bangalore.
4. "IOT Based Oil Spill Detection System", Third National Conference on Advances in Computing and Information Technology (ACIT-2018), 11-12 May 2018, Reva University, Bangalore.
5. "Survey on Data Aggregation in Wireless Sensor Networks", National conference on advances in information and communication technology (ICT-2013), 17-18 May 2013, RV college of Engineering, Bangalore, Page 49-54

6. Grants/Funding Received

Grant Amount	**Project Name**	Date of receiving the Grant	Grant issuing authority/ Body / Organization
NIL			

6.Others :Workshops / Conference (Orgainsed/Attended)

6.a. Workshops / Conference organized

Conferences:	
1	Convener for IEEE INOCON 2023 held at Sai vidya Institute of Technology from March 3rd 2023 to March 5th 2023
2	Organizing Committee member for International Conference on Topical Transcends in Science, Technology and Management 2020, Organized by SVIT on 7th August 2020.
3	Organizing Committee member for International Conference on Topical Transcends in Science, Technology and Management 2018, Organized by SVIT during 17th and 18th August 2018.
4	National Conference on Advances in Computing and Communication Technologies 2015, Organized by Dept. of CSE/ISE, SVIT, Bangalore on 28 and 29 September 2018.
Workshops:	
1	Three Days FDP on "Angular and NodeJS" organized by Dept. of ISE, JSSATE, Bengaluru from 2nd Nov 2023 – 4th Nov 2023
2	Organized and participated as resource person for Workshop on "Network Simulator - 2", Organized by Dept. of ISE, SVIT, Bangalore on 2nd December 2021.
3	Organized and participated as resource person for Workshop on "Java Programming", Organized by Dept. of ISE, SVIT, Bangalore on 29th December 2021.
4	Organized and participated as resource person for Workshop on "Network Simulator - 2", Organized by Dept. of CSE/ISE, SVIT, Bangalore on 11th December 2020.
5	Organized and participated as resource person for Workshop on "Network Simulator - 2", Organized by Dept. of CSE/ISE, SVIT, Bangalore during 18th and 19th September 2019.
6	Organized and participated as resource person for Workshop on "Internet of Things", Organized by Dept. of CSE/ISE, SVIT, Bangalore during 11th to 14 February 2019.
7	Organized Inauguration of SVIT IoT Club, Organized by Dept. of CSE/ISE, SVIT, Bangalore on 29 September 2018.
8	Organized and participated as resource person for Workshop on "Network Simulator -2", Organized by Dept. of CSE/ISE, SVIT, Bangalore on 26 and 27 September 2018.

6.b. Conference Attended

7th International Conference on Communication and Electronics Systems (ICCES), 2022, SVCE, Bengaluru.
4th IEEE International Conference on RecentTrends on Electronics, Information, Communication & Technology (RTEICT), 17-18 May 2019, SVCE, Bengaluru.
International Conference onInternet of Things and Connected Technologies, (Elsevier Conference), 26-27 March 2018, MIT, Jaipur
Sixth International Conference on Advances in Computing, Communications and Informatics (ICACCI'17), 13-16 September 2017, Manipal Institute of technology, Manipal, Karnataka
International Conference on signal, Image processing, Communication and Automation, 6 -7 July 2017, JSSATE, Bangalore.
5th IEEE International Advance Computing Conference 2015, 11-12 June 2015 BMSCE,Bangalore
International conference on controls, circuits and communications 2013, 27-28 December 2013 RNSIT Bangalore,

6.c. workshop/ Seminar /Conference Attended

1. ICT Academy BRIDGE 2022 Conference at Lalit Ashok, Bengaluru on 19th October 2022
2. One Day Workshop on Finetuning of NEP Compliance Syllabus organized by SJCIT and VTU on 20th April 2022.
3. Online Innovation Ambassador training program conducted by IIC, MoE, GOI and AICTE from 5th August 2021 to 31st

August 2021.

4. 5 Days AICTE sponsored online FDP on “NEP 2020: Leadership and Excellence” organized by Nitte Meenakshi Institute of Technology, Bangalore from 13th July 2021 to 17th July 2021
5. 5 Days online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 19th April 2021 to 23rd April 2021
6. One Week online Faculty Development Program on “Online Learning and Assessment System organized by Institute of Engineers, Kalburgi Local Centre, Kalburgi from 18th June 2020 to 22nd June 2020.
7. One Week national level online Faculty Development Workshop on “Python Programming” organized by Dept. of Computer Science, Government College for Women Kolar in association with spoken tutorial IIT Bombay, from 5th June 2020 to 11th June 2020
8. 2 Days workshop on “Internet of Things and its applications”, Organized by Dept. of CSE, PG Centre, VTU Mysuru and Fluxgen technologies, Bengaluru during 10th and 11th December 2018.
9. 1 Day workshop on “Intellectual Property Rights (IPR)” Organized by VTU Regional centre, Bengaluru and IEEE on 25th August 2018.
10. 2 Days workshop on “Research paper writing using LaTex”, Organized by Dept. of ECE, SVIT, Bengaluru during 25th and 26th July 2018.
11. 5 Days Short term course on “Algorithmic Foundations of Wireless Sensor Networks with Applications”, Organized by Dept. of MACS and Dept. of CSE, NITK Surathkal, Under the GIAN Scheme of MHRD, GOI from 10 December 2017 to 14 December 2017.
12. 3 Days workshop on “Instructional Model for Outcome Based Education”, Organized by Dept. of Electronics and Instrumentation engineering, BMSCE, Bengaluru, from 20 March 2017 to 22 March2017.
13. 6 Days Faculty Development Program on “Data Analytics with R”, Organized by E& ICT Academy, NIT Warangal and Directorate of Technical Education, Karnataka from 3 Feb 2017 to 8 Feb 2017
14. One week workshop on “Machine Learning”, Organized by Dept. of ISE, BMSCE, Bengaluru, from 5 Jan 2017 to 10 Jan 2017.
15. 2 Days Faculty Development Program on “Data Structures and its Applications Laboratory”, Organized by Dept. Of CSE & ISE, SVIT, Bengaluru from 19 July 2016 to 20 July 2016.
16. 2 Days Faculty Development Program on “Research Proposal Preparation towards Ph.D Admission Programmes” Organized by K S School of Engineering and Management, Bengaluru from 24 June 2016 to 25 June 2016.
17. 5 Days “Workshop on Outcome Based Education” Organized by Dept. Of CSE & ISE, SVIT, Bengaluru from 11 Jan 2016 to 15 Jan 2016.
18. 5 Days Faculty Oriented Workshop Organized by VTU Academy of staff development, Mysuru from20 July 2015 to 24 July 2016.
19. Symposium on “Big Data” at SVIT, Bangalore on 18 February 2015.
20. Workshop on “Hybrid (CPU-GPU) computing and its applications with hands-on” Organized by Nvidia and Nitte Meenakshi Institute of Technology from 5 August 2014 to 9 August 2014.
21. Workshop on “Life of the packet in computer Networks” at BMS College of Engineering from 25 April 2014 to 29 April 2014.

6.d. PROJECT / Innovations/Patents

NIL

6.e. Any other information you will like to share about your professional experience

Administrative Roles:

- SPOC, NPTEL Local Chapter at JSSATE, Bengalore
- NAAC Criteria -2 Coordinator at Institute level
- HOD, Dept. of CSE(Data Science), Sai Vidya Institute of Technology from 1st January 2022 to 29th April 2023.
- Head, IT infrastructure at Sai Vidya Institute of Technology
- ISE department NBA Coordinator
- NAAC Criteria 1 head at Sai Vidya Institute of Technology

Others:

- 21 MOOC Courses (NPTEL, Coursera, Infosys Springboard) completed.
- Alumni Representative of Department advisory board, Dept. of ISE, BMSCE

Research Profile:

- **Google Scholar Link:** https://scholar.google.co.in/citations?user=YjYyFEsAAAAJ&hl=en

- **Orchid ID:** https://orcid.org/0000-0002-7489-2254
- **Scopus :** https://www.scopus.com/authid/detail.uri?authorId=56038478100
- **Web of Science:** https://www.webofscience.com/wos/authorecord/1927153
- **Research Gate:** https://www.researchgate.net/profile/Abhijith-H-V
- **Vidwan Profile:** https://vidwan.inflibnet.ac.in/profile/197503