

1. Personal Information

(i)	Name	LALIT PUROHIT	
(ii)	Qualification	Ph. D.	
(iii)	Designation	PROFESSOR	
(iv)	Email-id	purohit.lalit@gmail.com	
(v)	Department	Information Technology	
(vi)	Experience	21 years	

2. Educational Qualification

S. No.	Degree	Specialization	Year	University/Board
1	PhD	Computer Engineering	2019	Indian Institute of Technology Roorkee

3. Teaching Experience

S. No.	Post	Institute & Department	Duration
1	Professor	IT Deptt, SGSITS Indore	2019 - present
2.	Associate Professor	IT Deptt, SGSITS Indore	2016 - 2019
3.	Assistant Professor	IT Deptt, SGSITS Indore	2003 - 2016
4.	Lecturer	IT Deptt, SGSITS Indore	2002-2003

4. Research Interests

Web Services, Semantic Web Services, Application of Evolutionary Techniques in Web Services, Machine Learning for Web Services, Web Service Security, IoT.

I have guided 15 ME projects and 03 PhD students are presently registered under me.

5. Research Paper Publications

(I) International/National Journal Publications

1. Lalit Purohit, Sandeep Kumar, "A Classification Based Web Service Selection Approach", IEEE Transactions on Services Computing, 2018 (SCI, Impact Factor: 11.019), doi: 10.1109/TSC.2018.2805352.
2. Lalit Purohit, Sandeep Kumar, "Web Services in the Internet of Things and Smart Cities: A Case Study on Classification Techniques", IEEE Consumer Electronics Magazine, Vol. 8, Issue 2, pp. 39-43, 2019 (SCI: Impact Factor 4.135), doi: 10.1109/MCE.2018.2880808.
3. Lalit Purohit, Sandeep Kumar, "A study on evolutionary computing based web service selection techniques", Artificial Intelligence Review, Springer, Vol 54 (2), pp 1117-1170, 2021 (SCI, Impact Factor 9.588), <https://doi.org/10.1007/s10462-020-09872-z>
4. Riddhi Pahariya and Lalit Purohit, "Recent Advancements in Semantic Web Service Selection", IETE Journal of Research, pp. 1-10, 2022 (SCI: Impact Factor 2.333). Doi: 10.1080/03772063.2022.2054866.
5. Chaturvedi, S Aditya; Purohit, Lalit, "Spam Message Detection: A Review", International Journal of Computing and Digital Systems (Scopus Indexed), UoB, Vol 12 (01), pp. 439-451, 2022. DOI: <https://dx.doi.org/10.12785/ijcds/120135>
6. Lalit Purohit, Vibha Chouhan, "A Comparative Study on QoS-based Web Service Selection using GA, PSO and ACO", International Journal for Research in Engineering Application & Management (IJREAM), VOL. 4, Issue 11, pp. 774-784, 2019. (UGC Approved)
7. Lalit Purohit, D. A. Mehta, "Workflow Based Approach for Web Service Composition", International Journal of Electronics and Computers, Vol 1, Issue 1, 2008. (UGC Approved)

(II) International/National Conference Publication

1. S. Khan and L. Purohit, "An Integrated Methodology of Ranking Based on PROMETHEE-CRITIC and TOPSIS-CRITIC In Web Service Domain," 2022 IEEE 11th International Conference on Communication Systems and Network Technologies (CSNT), 2022, pp. 335-340, doi: 10.1109/CSNT54456.2022.9787620
2. L. Purohit and S. Kumar, "Clustering Based Approach for Web Service Selection Using Skyline Computations," 2019 IEEE International Conference on Web Services (ICWS), Milan, Italy, 2019, pp. 260-264, doi: 10.1109/ICWS.2019.00052.
3. L. Purohit and S. Kumar, "Replaceability Based Web Service Selection Approach," 2019 IEEE 26th International Conference on High Performance Computing, Data, and Analytics (HiPC), Hyderabad, India, 2019, pp. 113-122, doi: 10.1109/HiPC.2019.00024.
4. Lalit Purohit, Satyendra S Chouhan, Aditi Jain, "Dynamic Web Service Composition Using AI Planning Technique: Case Study on Blackbox Planner", Social Networking and Computational Intelligence. Lecture Notes in Networks and Systems, vol 100. Springer, Singapore, Bhopal, 2020, Vol 100, pp 183-195, https://doi.org/10.1007/978-981-15-2071-6_15
5. A. Ratnakar, P. Sharma, S. Gupta and L. Purohit, "Web Service Clustering on the Basis of QoS Parameters," 2019 1st International Conference on Artificial Intelligence and Data Sciences (AiDAS), Ipoh, Perak, Malaysia, 2019, pp. 12-17, doi: 10.1109/AiDAS47888.2019.8970785.
6. A. Banka, N. Juneja, A. Shrimal, S. Agrawal and L. Purohit, "Web Service Classification using Stacking," 2019 1st International Conference on Artificial Intelligence and Data

Sciences (AiDAS), Ipoh, Perak, Malaysia, 2019, pp. 126-131, doi: 10.1109/AiDAS47888.2019.8970755.

- 7.** Yamini Barge, Lalit Purohit, Soma Saha, "A Skyline based Technique for Web Service Selection", Springer, 4th International Conference on Smart Computing and Informatics, SCI- 2020, Hyderabad, Telangana, India 2020.
- 8.** Simran Shrivastava, Sonika Shrivastava, Lalit Purohit, "A Hybrid Approach using ACO-GA for Task Scheduling in Cloud", Springer, 4th International Conference on Smart Computing and Informatics, SCI- 2020, Hyderabad, Telangana, India, 2020.
- 9.** L. Purohit and S. Kumar, "Exploring K-means clustering and skyline for web service selection," *2016 11th International Conference on Industrial and Information Systems (ICIIS)*, Roorkee, 2016, pp. 603-607, doi: 10.1109/ICIINFS.2016.8263010.
- 10.** L. Purohit, S. Kumar and D. Kshirsagar, "Analyzing genetic algorithm for web service selection," *2015 1st International Conference on Next Generation Computing Technologies (NGCT)*, Dehradun, 2015, pp. 999-1003, doi: 10.1109/NGCT.2015.7375271.
- 11.** P. Gohar and L. Purohit, "Discovery and prioritization of web services based on fuzzy user preferences for QoS," *2015 International Conference on Computer, Communication and Control (IC4)*, Indore, 2015, pp. 1-6, doi: 10.1109/IC4.2015.7375702.
- 12.** D. Kshirsagar, S. Kumar and L. Purohit, "Exploring usage of ontology for HTTP response splitting attack," *2015 1st International Conference on Next Generation Computing Technologies (NGCT)*, Dehradun, 2015, pp. 437-440, doi: 10.1109/NGCT.2015.7375156.
- 13.** U. Thakar, L. Purohit and A. Pahade, "An approach to improve performance of a packet-filtering firewall," *2012 Ninth International Conference on Wireless and Optical Communications Networks (WOCN)*, Indore, 2012, pp. 1-5, doi: 10.1109/WOCN.2012.6335516.
- 14.** Thakar, Urjita, Patel, Omprakash, Purohit, Lalit, "Web Shield: A Modified Firewall to Detect Malicious Request", *Proceedings of the International Conference on Information Systems Design and Intelligent Applications (INDIA 2012)*, Springer Berlin Heidelberg, Visakhapatnam, India, January 2012, PP.497-506, doi:10.1007/978-3-642-27443-5_57.
- 15.** L. Purohit, A. K. Vyas, "International Conference on Advanced Computing Technologies (ICACT 2008), Hyderabad, India", pp. 225-233, 2008.
- 16.** L. Purohit, A. K. Vyas, "Web Service Orchestration Using Petri Net Model", *National Conference on Architecturing future IT SyStems (NCAFITS-08)*, DAVV, India, pp. 121-125, 2008.

6. List of Conferences/Workshops/Seminars Organized

- 1.** One day expert lecture on "Software development using Agile Methodology", 05/12/2020, organized by Department of IT, SGSITS Indore.
- 2.** One week FDP on "Introduction to Machine Learning and Data Engineering", Organized by Deptt of IT, SGSITS Indore & IIITDMJ, from 20-24, Dec 2019.
- 3.** 24 Hour Hackathon (HackIndore) 28-29, Sept 2018 & 03-04, Oct 2019, organized by Deptt of IT, SGSITS Indore (#Include students club).
- 4.** One day workshop on "XML For Industry", 27/01/2018, organized by Department of IT &

TEQIP-II, SGSITS Indore.

5. One day expert lecture on “Role of Parallel Graph algorithms in Software Development”, 28/12/2013, organized by department of IT, SGSITS Indore.
6. One day expert lecture on “Role of web services in Web based softwares and tools”, 03/09/2011, organized by department of IT, SGSITS Indore
7. One day expert lecture on “Dynamic content generation using PHP”, 24/01/2009, Organized by Department of IT, SGSITS Indore.

7. Invited Lectures/Expert Talks/Chairmanships at Conferences

1. **Technical Committee Member**, 2nd International Conference on Technological Innovations in Engineering and Management (ICTIEM-21), 30th - 31st March 2021.
2. **PC Member at** NLPaSE 2020 : 1st Workshop on Natural Language Processing Advancements for Software Engineering (NLPaSE) Colocated with 27th APSEC 2020
3. **Session Chair (Computer-IT Track)**, MPCST Young Scientist Congress Held at SGSITS Indore, 27-28, Feb 2020.
4. **Invited lecture** in FDP on “Introduction to Machine Learning and Data Engineering”, Dec 2019 held at SGSITS Indore.
5. **Reviewer** in international Journals and conferences of repute.

8. Other Information

1. **Patents** - 02 No. (**Granted**)
2. **Consultancy** - (i) Member, Panel of consultants SBI Indore (2008-2010)
(ii) ITMS - Smart City Project Indore (2020 -)
3. **Projects**: Completed AICTE MODROB's project (Sanctioned Grant of Rs 18,80,000) F.Y. 2013-14.

Academic & Administrative Responsibilities

At Present:

College Level	Department Level	Outside of the Institute
1. Dupty Controller (Exams) – Dec 2020 – till date	1. Member, BoS	1. Member, BoS at RGPV Bhopal
2. Member, IQAC Committee	2. Member, Accreditation Committee	
3. Member, NAAC Committee	3. Coordinator, Student Club (#include)	
4. Member, Academic Council	4. Member, Purchase	
4. Member, relative grading		

<p>implementation committee</p> <p>5. Faculty Coordinator, club Ojaswa</p> <p>6. Nodel Officer, NAD.</p> <p>7. SpoC, Smart India Hackathon.</p>	<p>committee</p> <p>5. Lab Incharge (Cloud Computing Lab – Nov 2017 – Jan 2021, Sept 2021-till date)</p>	
<p>In Past:</p> <p>At institute level</p>	<p>At Department level</p>	
<p>1. Assistant Superintendent of Exam (Apr 2018, Sept 2020, Oct. 2020)</p> <p>2. OSD, Coding decoding (2009 – 2014, Dec 2018, Apr 2019, Dec 2019)</p> <p>3. OSD, Scrutiny (Dec 2017)</p> <p>4. Member, CWN</p> <p>5. Member, Stock verification committee</p> <p>6. Member, Academic Council</p> <p>7. Member, Project SAMARTH implementation Committee</p> <p>8. Member, Panel of consultant for SBI Indore (Main branch, Y N Road Indore)</p> <p>9. Member, 360 Degree Feedback implementation Committee</p> <p>10. Invigilator in State level and National level examinations)</p> <p>11. Election duty</p>	<p>1. Coordinator, Moodle facility for BE IT students</p> <p>2. Member, BoS</p> <p>3. Faculty coordinator – Departmental events, AAYAAM.</p> <p>4. Mentor, First year students</p> <p>5. Member, First year orientation committee.</p> <p>6. Member, Department Purchase Committee</p> <p>7. Member, Exam Sub-committee</p> <p>8. Coordinator, B.E. Final Year project</p> <p>9. Coordinator, B.E. (IT)</p>	

Dr. Lalit Purohit,
Professor,
Deptt. of IT, SGSITS Indore