

## CURRICULUM VITAE

- 1. Name and Designation** : **Dr. SUKHVIR SINGH,**  
Assistant Professor,  
Information Technology,  
**UIET,**  
**PANJAB UNIVERSITY,**  
**CHANDIGARH.**
- 2. Date of Birth** : 15-04-1985
- 3. Contact Number** : +91-8558874155
- 4. E-mail id** : [sukhvirpu@gmail.com](mailto:sukhvirpu@gmail.com), [sukhvir@pu.ac.in](mailto:sukhvir@pu.ac.in)



**5. Academic Performance (Descending Order)**

S. No.	Degree	University/ Institution	Year of Pass
1.	Ph.D. (CSE)	UIET, P.U. Chandigarh	2024
2.	M.E. (IT)	UIET, P.U. Chandigarh	2009
3.	B.E. (CSE)	UIET, P.U. Chandigarh	2007

**6. Total Years of teaching/ industry experience: 15yrs.**

S. No.	Period		Organization / Institution	Position Held
	From	To		
1.	09-06-2009	16-07-2010	SUSCET, Tangori, Mohali.	Lecturer
2.	21-07-2010	Till date	<b>UIET, P.U., Chandigarh</b>	<b>Assistant Professor</b>

- 7. Research Area** : **Wireless Networks, IoT, Machine Learning  
and Deep Learning**
- 8. Research Project** : **Landslide Forewarning System for  
Manikaran, Himachal Pradesh, India**  
(Co-Investigator-I), **DST**, Rs. 56,72,308/-

**9. Achievements**

S. no.	Achievements	Number
1.	Papers published in International Journal	10
2.	Papers published in International conference	07
3.	Papers published in national conference	01
4.	Papers presented in International/National conferences	02
5.	M.E. Supervision	08
6.	FDPs/STTPs Organized	02
7.	International/ National Conferences/Technical Events Organized	05
8.	Participation in International/ National Conferences/symposium etc.	04

## 10. List of Papers Published in Journals

S. no.	Particulars
1.	<b>Dr. Rajkiran Dhiman, Dr. Mahesh Takhur, Dr. Sukhvir Singh, Dr. Naveen Aggarwal, Dr. Franck Bourrier</b> "Development of Rockfall Early Warning System (REWS) For Prediction of Rockfall Hazard in Manikaran, NW Himalaya, India", <b>Journal of Geological Society of India. (Accepted 2025)</b>
2.	<b>Dr. Sukhvir Singh, Dr. Krishan Kumar and Dr. Savita Gupta</b> , "Mobile Node Localization Techniques For Indoor Wireless Sensor Networks", <b>Computer Networks. (Accepted 2024)</b>
3.	<b>Mr. Gurmukh Singh, Dr. Savita Gupta, Mr.Sukhvir Singh</b> , "Performance Evaluation of DHT Based multi-path Routing Protocol for MANETs", <b>International Journal of Scientific and Research Publications, pp. 1-5, Volume 2, Issue 6, June 2012. (ISSN 2250-3153)</b>
4.	<b>Ms. Parul Khurana and Mr. Sukhvir Singh</b> , "QoS Based Evaluation of Routing protocols in WSN", <b>International Journal of Emerging Technologies in Computational and Applied Sciences, pp. 597-601, Vol. 4 Issue 6, May 2013. (ISSN: 2279-0055)</b>
5.	Mr. Gaurav Sachdeva and <b>Mr. Sukhvir Singh</b> , "Energy Efficient DHT based Multipath Routing in WSN", International Journal of Advanced Research in Computer Science and Software Engineering, pp. 985-90, vol. 3, issue 10, Oct-2013. (ISSN: 2277-128X)
6.	Mr.Gagandeep Singh, Ms. Shelza and <b>Mr. Sukhvir Singh</b> , " <b>Performance Evaluation of DHT based Multipath Routing Protocol for IEEE Standard 802.11 and 802.15.4</b> " , International Journal of Innovative Research in Advanced Engineering (IJIRAE), Volume 1 Issue 7, August 2014, pp. 10-18. <b>ISSN: 2349-2163</b>
7.	Mr. Gaganpreet Singh and <b>Mr. Sukhvir Singh</b> , " <b>Rate Control Protocol for Fast Flows: A Survey</b> ", International Journal of Engineering Research and Applications, pp.335-337, Vol. 4, Issue 1 (Version 1), January 2014. (ISSN: 2248-9622)
8.	Mr. Jatin Jindal, Mr. Parminder Singh and <b>Mr. Sukhvir Singh</b> , "Performance characteristics of DSR, AODV and AOMDV Routing Protocols for MANETs using ns-2: A simulation Study" <b>International Journal of Engineering Research &amp; Technology (IJERT), pp. 44-47, Vol. 4, Issue 06, June-2015. ISSN: 2278-0181</b>
9.	Mr.Gagandeep Singh, Ms. Shelza and <b>Mr. Sukhvir Singh</b> , " <b>IEEE 802.11 WLAN and Advancements: A Review</b> " , International Journal of Recent Development in Engineering and Technology Volume 3, Issue 2, August 2014, pp 32.
10.	Ms. Tanvi Sharma and <b>Mr. Sukhvir Singh</b> , " <b>Comparitive Study of Multipath Extensions of AODV</b> ", International Journal of Research in Engineering and Technology, pp. 494-50, Vol. 2, Issue 9, Sep-2013.(ISSN: 2319-1163)
11.	Ms. Monika Kashap, <b>Mr. Sukhvir Singh</b> and Ms. Rimpay Kumari, " <b>Routing Issues and Challenges for MANETs</b> ", International Journal of Engineering Research & Technology, pp. 423-27, vol. 2, issue 10, Oct-2013. (ISSN: 2278-0181)
12.	Mr. Gurmukh Singh, Dr. Savita Gupta, <b>Mr.Sukhvir Singh</b> , " <b>DHT based Routing Protocols for MANETs: A Survey</b> ", International Journal of Mobile & Adhoc Network, pp. 20-24, Vol. 2, issue 1, Feb 2012.

## 11. List of Papers Published in Conferences

S. no.	Particulars
1.	<b>Mr. Sukhvir Singh</b> , Dr Krishan Kumar, Dr Savita Gupta, <b>A Comparative Analysis of Regression Based Indoor Localization Techniques</b> , 7th International Conference on Advanced Computing and Communication Systems, Organised by Shri Eshwar College of Engineering, Coimbatore, Tamilnadu, India and IEEE Madras. 19/03/2021
2.	<b>Mr. Sukhvir Singh</b> , Dr Krishan Kumar, Dr Savita Gupta, <b>Machine learning based indoor localization techniques for wireless sensor networks</b> , 2nd International Conference on Advances in Computing, Communication Control and Networking, Oranized by Galgotias College of Engineering and Technology, Greater Noida, UP. and IEEE UP, 18-19 dec 2020
3.	Mr. Ahmed Raad Abbas, <b>Mr. Sukhvir Singh</b> , Mrs. Mandeep Kaur, <b>“Detection of Phishing Websites using Machine Learning”</b> , International Conference on Inventive Communication and Computational Technologies, 29-30, April-2019, Gnanamani College of Technology, Namakkal, Tamil Nadu, India. <a href="https://link.springer.com/chapter/10.1007/978-981-15-0146-3_128">https://link.springer.com/chapter/10.1007/978-981-15-0146-3_128</a> <b>(Book Chapter-Scopus)</b>
4.	<b>Mr. Sukhvir Singh</b> , Mr. Gholamreza kakamanshadi and Ms. Savita Gupta, <b>“Visible Light Communication- An Emerging Wireless Communication Technology”</b> , <b>IEEE</b> sponsored International conference on “Recent advancements in engineering and computational sciences”, Dec-2015, UIET, Panjab University Chandigarh. <a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7453409">https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7453409</a> <b>(Scopus)</b>
5.	Mr. Navinder Kumar and <b>Mr. Sukhvir singh</b> , <b>“Zone Based MCDS formation algorithm in MANETs”</b> , International conference on Emerging Trends in computer Science & Information Technology, pp. 161-67, Feb-2011, GGI, Khanna (Pb.)
6.	Ms. Anita, Mr. Naresh kumar and <b>Mr. Sukhvir Singh</b> , <b>“Simulation Based Analysis of Wireless Sensor Networks using Particle Swarm Optimization”</b> , International conference on Emerging Trends in computer Science & Information Technology, pp. 27-31, Feb-2011, GGI, Khanna (Pb.)
7.	Mr. Parwinder Singh and <b>Mr. Sukhvir Singh</b> , <b>“Next Generation Networks: 4G Wireless Networks”</b> , National conference on Recent Innovations In Computing & Networking, pp.230-32, Aug-2009, SUSCET, Tangori.
8.	<b>Mr. Sukhvir Singh</b> and Ms. Veenu Mangat, <b>“Swarm Congestion &amp; Power Aware Routing Protocol for Mobile Ad-hoc Networks”</b> , 2 <sup>nd</sup> national conference on Wireless & Optical Communication, pp. 42-45(Session – I) Dec-2008, PEC, Chandigarh.

## 12. List of Papers Presented in Conferences

S. no.	Particulars
1.	<b>Mr. Sukhvir Singh</b> , “Performance analysis of ODMRP with AMRIS and MAODV protocols in MANETs”, 6th Chandigarh Science Congress, Feb-2011, P.U. Chd.
2.	<b>Mr. Sukhvir Singh</b> , “An Intelligent Routing Protocol for MANETs”, National Conference on Emerging Trends in Communication, Feb-2009, SVIET, Banur, Pb.

## 13. Detail of Achievements/Participations

S. no.	Particulars
1.	Organized one day workshop on <b>Virtual Labs on 5<sup>th</sup> Feb, 2025 at UIET, PU, Chandigarh.</b>
2.	Participated in one day workshop on <b>Virtual labs on 19<sup>th</sup> Feb, 2024 at UIET, PU, Chandigarh.</b>
3.	Certified as <b>Facilitator</b> of <b>AI for Future Workforce Program</b> in India by <b>Intel Corporation</b> , 12th Jan, 2023
4.	Participated in One week <b>short-term training program</b> on "Advanced <b>Engineering Optimization Through Intelligent Techniques (AEOTIT)</b> " from <b>13-17 May 2019</b> at <b>SVNIT, Surat.</b>
5.	Organized a six-day <b>Students Excellence and Learning Program (SELP) - workshop</b> from <b>22nd to 27th April 2019</b> at UIET, Panjab University Chandigarh. ( <i>As Event Coordinator</i> )
6.	Member Organizing committee for <b>Soft Skills and Employability Skills Training Program</b> from <b>31<sup>st</sup> July to 4<sup>th</sup> Aug 2018</b> at UIET, Panjab University Chandigarh.
7.	Member Organizing committee for one week workshop on <b>Application Development in Python</b> from <b>4<sup>th</sup> – 8<sup>th</sup> June 2018</b> at UIET, Panjab University Chandigarh.
8.	Participated in the one week workshop on <b>Machine Learning and Deep Learning: Applications in NLP, computer Vision and IoT</b> from <b>10<sup>th</sup> – 14<sup>th</sup> July, 2018</b> at UIET, Panjab University Chandigarh.
9.	Organized a <b>Crash course on Network Security</b> from <b>20th-21st Feb, 2018</b> at UIET, Panjab University, Chandigarh. ( <i>As Event Coordinator</i> )
10.	Participated in <b>oneM2M Developers Tutorial</b> on <b>19<sup>th</sup> Feb, 2018</b> at UIE, PU, Chandigarh.
11.	Member Organizing committee for one day national workshop on <b>Swayam and Swayam Prabha</b> on <b>19<sup>th</sup> Jan 2018</b> at UIET, Panjab University Chandigarh.
12.	Participated in <b>GIAN (Global initiative for academic networks) course - Computer Security from the Data Science Perspective (CSDSP)</b> from <b>18-12-2017 to 30-12-2017</b> at <b>IIT, Ropar.</b>
13.	Participated in Intel sponsored FDP on <b>Machine Learning Algorithms using Python</b> from <b>24.07.2017 to 28.07.2017</b> at <b>NITTTR, Chandigarh</b>
14.	Participated in <b>IEEE sponsored International conference</b> On “ <b>Recent advancements in engineering and computational sciences</b> ”, Dec-2015, UIET, Panjab University, Chandigarh.
15.	Participated in a <b>3<sup>rd</sup> International conference</b> on “ <b>Biomedical Engineering and Assistive Technologies-BEATS,2014</b> ”, <b>14-15 Feb 2014</b> , UIET, Panjab University, Chandigarh.

16.	Member Organizing committee <b>IEEE</b> sponsored International conference On “ <b>Recent advancements in engineering and computational sciences</b> ”, 6 <sup>th</sup> -8 <sup>th</sup> , March-2014, UIET, Panjab University, Chandigarh. <b>(Chaired a session)</b>
17.	Member Organizing committee-“ <b>Aavishkar-2012</b> ”, a technical event, 15 <sup>th</sup> - 16 <sup>th</sup> Oct, 2012, UIET, Panjab University, Chandigarh.
18.	Participated in National conference on “ <b>Recent Innovations In Computing &amp; Networking</b> ”, Aug-2009, SUSCET, Tangori, Mohali.
19.	Participated in a FDP on “ <b>Achieving Excellence in Technical Education</b> ”, 16 <sup>th</sup> -19 <sup>th</sup> , July-2013, UIET, Panjab University, Chandigarh.
20.	Participated in a FDP on “ <b>Role of Basic Sciences in Engineering</b> ”, 11 <sup>th</sup> -16 <sup>th</sup> , Nov, 2013, UIET, Panjab University, Chandigarh.
21.	Participated in a FDP on “ <b>Teaching and Soft Skills</b> ”, 26 <sup>th</sup> -29 <sup>th</sup> Dec, 2012, UIET, Panjab University, Chandigarh.
22.	Participated in a STTP on “ <b>Lesson Planning and Delivery</b> ”, 3 <sup>rd</sup> -7 <sup>th</sup> Aug, 2009, SUSCET, Tangori, Mohali.
23.	Member Organizing Committee 3 <sup>rd</sup> Two day Symposium on “ <b>Emerging Trends in Telecommunication and IT</b> ”, 17 <sup>th</sup> -18 <sup>th</sup> Nov, 2016, UIET, Panjab University, Chandigarh.
24.	Participated in a “ <b>Workshop on Internet Safety and Car Safety</b> ”, 20 <sup>th</sup> July, 2016, UIET, Panjab University, Chandigarh.
25.	Member Organizing Committee of A Workshop on “ <b>Road Safety</b> ”, 15 <sup>th</sup> Jan, 2013, UIET, Panjab University, Chandigarh.
26.	Participated in “ <b>NPTEL Workshop</b> ”, 5 <sup>th</sup> Aug, 2013, ICSSR, Panjab University, Chandigarh.
27.	Event Coordinator, <b>MAGESTOMO-“Managers of tomorrow”</b> , 10 <sup>th</sup> Feb, 2014.
28.	Event Co-Coordinator, “ <b>Training Fair</b> ”, 6 <sup>th</sup> and 12 <sup>th</sup> Feb, 2014, UIET, Panjab University, Chandigarh.
29.	Event Coordinator, <b>X Factor-“Empower the talent in you”</b> , 1 <sup>st</sup> -2 <sup>nd</sup> , Nov, 2014, UIET, Panjab University, Chandigarh.
30.	Participated in a FDP on “ <b>Business Intelligence &amp; Cloud Computing</b> ”, 9 <sup>th</sup> Jan, 2013, UIET, Panjab University, Chandigarh.
31.	Organizing member for “ <b>Academic felicitation</b> ” of UIET, 31 <sup>st</sup> Jan, 2013, Panjab University, Chandigarh.
32.	Participated in “ <b>The Deep Dive Faculty Enablement Program on Business English</b> ”, 5 <sup>th</sup> -8 <sup>th</sup> March, 2013, UIET, Panjab University, Chandigarh. (conducted by Infosys)
33.	Member Organizing committee of a Conclave on “ <b>Setu: Bridging gap between Industry and Academia</b> ” , 2012, UIET, Panjab University, Chandigarh.
34.	Member Editorial Committee-“ <b>CHASCON-2011</b> ”, 26 <sup>th</sup> -28 <sup>th</sup> , Feb, 2011, Panjab University, Chandigarh.
35.	Participated in “ <b>Engineer’s Day celebration</b> ” on 15 <sup>th</sup> Sep, 2010, PGI, Chandigarh.