Faculty Profile

			F	Tacult	y Profi	ile			
Name	Dr. Ram	Bahad	lur Patel				_		
Designation	Professo	or					1		
Pay Scale	144000-	210000)						
Department	Compue	r Scien	ce and Engi	ineeri	ng		MA	THE PORT OF THE PROPERTY OF TH	
Qualification	PhD								
Date of joining			Institute			Preser	nt Post		
12.12.2014		Char	ndigrah Coll	lege		Prof	essor		
			ngineering a	_					
			echnology,						
		,	Chandigarh					.	
Experience (in years)			Total	Teaching		_		Industry	
			30		- 30				
Research Interests Mob			le and Distri	buted	Comp	uting	•		
Contact Details:		Ema	ail: rbpatel@)ccet.	ac.in	Mobile/Pl	none:941 <i>6</i>	5932840	
Research Publicat	tions				tional Irnals			National Conferences	
			87	(01	78		11	
Books/Chapters P	Published					<u> </u>			
Research Guidanc	ce		Ph. D. :		19	Masters	·	38	
Research Projects	3		Completed	d	04	Inprogress		03	
Consultancy Proje	ects		Completed	d	-	Inprogress		-	
Seminar/Conferer	nce/STTP	S	Attended		65	Organized		09	
Professional Affil	liations								
Awards/ Fellowsh			10	Best	Researc	ch Papers			
List of Publication				Annexure-	1				
Research Project	Annexure-1								
Patent Detail						Annexure-	1		
Consultancy						-			
Ph.D Scholars Na	Annexure-1								
Institute Responsi	Professor Incharge Examination and Results								
Department Responsibility			La	b Incl	narge				
Any Other Information									

Ram Bahadur Patel

Professor,

Department of Computer Science & Engineering, Chandigarh College of Engineering and Technology (Degree Wing), U. T. Govt., Sec-26, Chandigarh, India

Phone: 941632840

Email: rbpatel@ccet.ac.in

rbpatel@ccet.ac.in



PROFILE SUMMARY

- Experience of 30+ years in Teaching, Research and Administration
- Founder Head of the department of Computer Science & Engineering, G. B. Pant Institute of Engineering & Technology(Formally G. B. Pant Engineering College), Pauri-Garhwal, Uttarakhand
- Member of Board of Governors and Board of Studies of several universities
- Patents: 01 (US) and 03 (Indian), 03 Filed (Indian)
- Published- 87 papers in International Journals & 78 papers in International Conferences and 11 in National Conferences
- Supervised 19 Ph. D. scholars and currently 03 are in progress
- Projects & consultancy work of nearly Rs. 16.50 lakhs
- Networking project completed of Rs. 215 lakhs.
- Organized 08 International Conferences/Seminars
- Organized several National Seminar/FDP/STP/workshops

EDUCATIONAL QUALIFICATIONS

- 1. Ph.D. Mobile and Distributed Computing (Computer Science & Technology) from Indian Institute of Technology, Roorkee, Uttarakhand on February 14, 2005. Title: **Design and Implementation of a Secure Mobile Agent Platform for Distributed Computing.**
- 2. M. S. (Software Systems) from BITS Pilaniwith 73.3% on January 10, 1996.
- 3. B. E. (Computer Engineering) from M. M. M. Engineering College, University of Gorakhpur, Gorakhpur, U.P., Indiawith 73.5% in 1991
- 4. Higher Secondary (Science-Maths) from BIC PaliShubhaspur, Jaunpur, Board of High School and Intermediate Education Uttar Pradeshwith 60.00% in 1984
- 5. Secondary (Science-Math) from SIC Shudanipur, Jaunpur, Board of High School and Intermediate Education Uttar Pradesh, with 72.8% in 1982

TEACHING EXPERIENCE

S.			Pay Scale	Period of E	mployment	Nature of	
No	n	of the Employer		From	То	Work	
1.	Professor	Chandigarh College of	37400- 67000-	July 08, 2019	To date	Administrative , Academic	

		Engineering and	10000			and Research
		Technology				
		(Degree Wing), U.				
		T. Govt., Sec-26,				
		Chandigarh, India				
2.	Professor	Computer Science	14A(1)	07/07/201	08/07/201	Administrative
		and Engineering,		8	9	, Academic
_		NIT Uttarakhand				and Research
3.	Professor	Chandigarh	37400-	December	06/07/201	Administrative
		College of		12, 2014	8	, Academic
		Engineering and	10000			and Research
		Technology				
		(Degree Wing), U.				
		T. Govt., Sec-26,				
4.	Professor	Chandigarh, India DeenbandhuChhot	37400-	November	June 10	Administrative
4.	Professor	u Ram University	67000-	02, 2010	June 18, 2012.	, Academic
		of Science &	10000	02, 2010	2012.	and Research
		Technology,	10000			and Research
		Murthal (Sonepat),				
		India				
5.	Professor	Faculty of	37400-	December	November	Academic and
		Engineering and	67000-	28, 2009	01, 2010.	Research
		Technology, Mody	10000			
		Institute of				
		Technology and				
		Science				
		Lakshmangarh,				
		Rajasthan, India				
6.	Professor	M. M. University,	37400-	October	December	Administrative
		Ambala, Haryana,	67000-	2004	27, 2009	, Academic
7	A	India	10000	10 I	1.1	and Research
7.	Associate Professor	G. B. Pant	37400- 67000-	19 June 2012	11 December	Administrative
	FIOIESSOF	Engineering College, Ghurdauri	9000	2012	2014	, Academic and Research
		(Pauri-Garhwal),	9000		2014	and Research
		Uttarakhand, India				
8.	Assistant	G. B. Pant	12000-	17	October	Administrative
	Professor	Engineering	18300-420	October	2004	, Academic
		College,		1997		and Research
		Ghurdauri(Pauri-				
		Garhwal),				
		Uttarakhand, India				
9.	Lecturer	G. B. Pant		March 04,	October	Administrative
		Engineering	2425(Basic	1995	16, 1997	, Academic
		College, Pauri-)			and Research
		Garhwal,				
10	Tool	Uttaranchal, India	4000/5 1	0.4.1	M ₋ 1 00	A 1
10.	Lecturer	M. M. M.	4000(fixed)	October	March 02,	Academic

	Engineering College, Gorakhpur,	U.P.,	04, 1991	1995	
	India				

ADMINISTRATIVE EXPERIENCE AND OTHER RESPONSIBILITIES

S. No.	Position	Organization	From	То	Contribution
1.	Dean, Planning and Development	NIT Uttarakhand	12/07/2018	08/07/2019	Planning and Development
2.	Chief Vigilance Officer	NIT Uttarakhand	12/07/2018	08/07/2019	To prove the incidences of collusion and establish good environment to promote and ensure integrity of individual and institute
3.	Head	Computer Science and Engineering, NIT Uttarakhand	12/07/2018	31/03/2019	Teaching, Academic and administrative management of the department
4.	Head	Applied Science, Chandigarh College of Engineering and Technology, Chandigarh	24/08/2015	06/07/2018	Teaching, Academic and administrative management of the department
5.	Professor Incharge	Examination and Results, Chandigarh College of Engineering and Technology, Chandigarh	08/04/2015	06/07/2018	Examination controller and administrative management
6.	Head	G. B. Pant Engineering College, Pauri-Garhwal, UK	19/06/2012	11/12/2014	Teaching, Academic and administrative management of

					the department
7.	Dean Academic	G. B. Pant Engineering College, Pauri-Garhwal, UK	21/02/2014	11/12/2014	Teaching, Academic and administrative management of the department
8.	Dean	Faculty of Computer Science and Information Technology, DeenbandhuChhoturam University of Science and Technology, Murthal	20/12/2010	18/06/2012	Teaching, Academic and administrative management of the department
9.	Chairman (Head)	Department of Computer Science and Engineering, DeenbandhuChhoturam University of Science and Technology, Murthal	10/11/2010	18/06/2012	Teaching, Academic and administrative management of the department
10.	Director	Weekend UG and PG, DeenbandhuChhoturam University of Science and Technology, Murthal	10/03/2011	09/09/2011	Teaching, Academic and administrative management of the department
11.	Head	Department of Computer Engineering, M. M. Engineering College, M. M. University, Mullana, Ambala.	27/10/2004	27/12/2009	Teaching, Academic and administrative management of the department
12.	Head	Department of Computer Science and Engineering, G. B. Pant Engineering College Pauri-Garhwal, July 2000 to July 2001	01/07/2000	30/07/2001	Teaching, Academic and administrative management of the department

SPONSORED RESEARCH/CONSULTANCY

S. No.	Name of Project/Consultancy	Completed/ In progress	Amount	
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1.	Calibration of Routing and Security Features in Heterogeneous Networks using Mobile Agents	Completed	8.0 lacs
2.	Role of Mobile Agents in Mobile Computing	Completed	8.60 lacs

Academic/Research Work Summary:

Research & I	Develo	opment, P	roject, Pu	blication etc.:			
(i) No. of Pate	nts	(ii) No.	of Awards		(iii) No. of Ph.	D. thesis guided	1
				Com	pleted	On-g	going
04 (01-Indian filedand01-U		`	st Researc apers)	n 16 (awarded)		02	
(iv) Publication	ons (F	Published	Accepted/):			
In Journals (refereed) In C			In Co	onferences			(v) Books
National	National International		National	International	Technical Reports/Book Chapters		published / Edited / Articles in magazines
01		87	11	78	04		09
Number of co	onfere	nces orga	nized/par	icipated			
	Orgar	nized		Participated		(vi) No. of Projects involved in	
Internati	onal	N	ational	International	National	Sponsored	Consultancy
07			01	65	27	02+02	-
Short term co	ourses	organize	d/Attende	d			
No. of short term course Organized			Duration	No. of the short term course attended		Duration	
	02	2		1 Week	09		1 Week

RESEARCH INTERESTS

Wireless sensor networks, mobile and Distributed Systems, Cloud Computing, Fault Tolerant Systems, Internet of Things, Mobile Ad-hoc Networks.

ADDITIONAL CONTRIBUTIONS

- 1. Member of Academic Council, NIT Uttarakhand, July 10, 2018 to July 8, 2019.
- 2. Chief Vigilance Officer, NIT Uttarakhand, July 10, 2018 to July 8, 2019.
- 3. Member of Board of Studies (BOS), Computer Science and Engineering, NIT Uttarakhand, July 10, 2018 to July 8, 2019
- 4. Member of Board of Studies (BOS), Computer Science and Engineering, NIT Uttarakhand, July 10, 2018 to July 2, 2019.
- 5. Member of Board of Studies (BOS), Information Technology, Panjab University, Chandigarh, January 1, 2015 to date.
- 6. Member of RDC Information Technology, Panjab University, Chandigarh, January 1, 2014 to date.
- 7. Chairman UGBoard-ofStudies, DeenbandhuChhotu Ram University of Science & Technology, Murthal (Sonepat), India, November 10, 2010 to June 18, 2012.
- 8. Chairman PGBoard-ofStudies, DeenbandhuChhotu Ram University of Science & Technology, Murthal (Sonepat), India, November 10, 2010 to June 18, 2012.
- 9. External Expert Member of Board of Studies (BOS), Department of Information Technology, M. M. Engineering College, M. M. University, Mullana, Ambala, March 6, 2012 to March 5, 2014.
- 10. Chairman Board of Studies, Department of Computer Engineering, M. M. Engineering College, M. M. University, Mullana, Ambala. July 2007 to December 2009.
- 11. Chairman, Departmental Research Committee, Department of Computer Engineering, M. M. Engineering College, M. M. University, Mullana, Ambala, July 2007 to December 2009.
- 12. Chairman, Board of Studies, Department of Computer Science and Engineering, M. M. Engineering College, M. M. University, Mullana, Ambala, July 2007 to December 27, 2009.
- 13. Member, Board of Studies, Department of Computer Science and Engineering, Guru Jambheshwar Universityof Science & Technology, Hisar, Haryana, February 2006 to February 2008.
- 14. Member of University Court, DeenbandhuChhotu Ram University of Science & Technology, Murthal (Sonepat), India March 2011 to June 18, 2012.
- 15. Executive Council, DeenbandhuChhotu Ram University of Science & Technology, Murthal (Sonepat), India, November 16, 2011 to June 18, 2012.
- 16. Academic Council, DeenbandhuChhotu Ram University of Science & Technology, Murthal (Sonepat), India, December 20,2010 to June 18, 2012.

MEMBERSHIP OF PROFESSIONAL BODIES

- Member, The Institute of Electrical and Electronics Engineers (IEEE)
- Member, Computer Society of India (CSI)
- Life Time Member of Indian Society for Technical Education, India (ISTE)

ACHIEVEMENTS/ AWARDS

Best Research Paper Awards

- [1] "3-TMS: Hierarchical Fault Tolerant System For Wireless Sensor Networks" in International Conference on Methods and Models in Engineering and Technology (ICM2ET-12), November 17-18, 2012, Vadodara, Gujrat, India
- [2] "APLOMB: AGENT PEDESTAL FOR LOAD BALANCING IN PEER-TO-PEER NETWORKS", in Proceedings of IETAN 2nd International Conference on Next Generation Communication and Computing Systems (ICNGC2S-11), March 24-25, 2012, Chandigarh, India, Vol. 0124, Issue 1-1, ISBN: 978-93-81068-00-7.
- [3] "RESOURCE MANAGEMENT IN PEER-TO-PEER NETWORKS: A NADSE APPROACH", 2nd International Conference on Methods and Models in Science and Technology (ICM2ST-11), Jaipur, India, 19-20 November 2011, in AIP Conf. Proc. 1414,1-1, (2011), pp. 159-164; doi: 10.1063/1.3669949, © 2011 American Institute of Physics, ISBN: 978-0-7354-0991-0.
- [4] "SEEAR: Secure and Energy Efficient Adaptive Routing for Wireless Sensor Networks", International Conference on Next Generation Communication and Computing Systems (ICNGC2S-10), NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH, SECTOR 26, CHANDIGARH, INDIA on December 25-26, 2010.
- [5] "An Agent enriched Distributed Data Mining on Heterogeneous Networks", in Challenges & Opportunities in Information Technology (COIT-2008", RIMT-IET, MandiGobindgarh, Punjab, India, 29th March, 2008.
- [6] "Dynamic Traffic -Conscious Routing for MANETs" in International Conference on Information & Communication Technology (IICT 2007), Dehradun, UA, India, July 26-28, 2007.
- [7] "Computing in Peer-To-Peer Networks" in Challenges & Opportunities in Information Technology (COIT 2007), RIMT-IET, MandiGobindgarh, Punjab, India, March 23, 2007.
- [8] "Mobile Agents Location Management in Global Networks" in the 8th International Conference on Information Technology, Bhubaneshwar, December 20-23, 2005.
- [9] "Providing Security and Robustness to Mobile Agents on Open Networks," in the 6th International Conference on Business Information Systems (BIS 2003), Colorado, Springs, USA, June 4-6, 2003.

PERSONAL INFORMATION

Father's Name: Late Shri M.L. Patell

Mother's Name: Late Shrimati M. R.. Devi

Date of Birth: 10-03-1963

Passport: Valid

Address: #2531, Sector 27C,

Chandigarh-160019

Date: January 9, 2025 (Prof. RAM BAHADUR PATEL)

Annexure-A

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

(a) Published Papers in International Journals

- [1] Garg, S., Patel, R.B. An Extended Clustering Approach for Extended Energy Aware Computing. *Wireless Pers Commun* 133, 1149–1174 (2023). https://doi.org/10.1007/s11277-023-10808-3 {SCI} IF=2.2
- [2] Singh, R. K., Sachan, M. K., & Patel, R. B. (2022). Cross-domain opinion classification via aspect analysis and attention sharing mechanism. Concurrency and Computation: Practice and Experience, 34(15), e6957. [SCIE Indexed, IF: 1.831]
- [3] Singh, R. K., Sachan, M. K., & Patel, R. B. (2022), "Cross-domain sentiment classification using decoding-enhanced bidirectional encoder representations from transformers with disentangled attention" Concurrency and Computation: Practice and Experience. https://doi.org/10.1002/cpe.7589, December 2022 [SCIE Indexed, IF: 1.831]
- [4] Manik Gupta, Ram Bahadur Patel, Shaily Jain, Hitendra Garg, Bhisham Sharma, "Lightweight branched blockchain security framework for Internet of Vehicles," Transactions on Emerging Telecommunications Technologies, April 2022. https://doi.org/10.1002/ett.4520.
- [5] Gupta M, Kumar R, Shekhar S, Sharma B, Patel RB, Jain S, Dhaou IB, Iwendi C. Game Theory-Based Authentication Framework to Secure Internet of Vehicles with Blockchain. *Sensors*. 2022; 22(14):5119. https://doi.org/10.3390/s22145119. [SCI]
- [6] Priti Saxena, R. B. Patel. (2022). Making Layered Security through a Sand box Model. *Mathematical Statistician and Engineering Applications*, 71(4), 9166 –. https://doi.org/10.17762/msea.v71i4.1681 {Scopus}.
- [7] Rahul Kumar Singh, Manoj Kumar Sachan, R. B. Patel:360 degree view of cross-domain opinion classification: a survey. Artif. Intell. Rev. 54(2): 1385-1506 (2021), [SCI Indexed, IF: 9.588]
- [8] Reema Goyal, R. B. Patel, H. S. Bhaduria, Devendra Prasad: An Efficient Data Delivery Scheme in WBAN to Deal with Shadow Effect due to Postural Mobility. Wirel. Pers. Commun. 117(1): 129-149 (2021)
- [9] Reema Goyal, R. B. Patel, H. S. Bhaduria, Devendra Prasad: An Energy Efficient QoS Supported Optimized Transmission Rate Technique in WBANs. Wirel. Pers. Commun. 117(1): 235-260 (2021), (SCI), 0.959
- [10] Reema Goyal, R. B. Patel, H. S. Bhaduria and Devendra PrasadAn Energy Efficient QoS Supported Optimized Transmission Rate Technique in WBANs, Wireless Personal Communication, Springer., vol., no. pp. 1-26, April, 2020. (SCI), 0.959
- [11] Reema Goyal, R. B. Patel, H. S. Bhaduria and Devendra Prasad, "An Efficient Data Delivery Scheme in WBAN to Deal with Shadow Effect due to Postural Mobility,"

- Wireless Personal Communication, Springer.vol. 90, no. 4, pp. pp 1–21, Dec, 2019.(SCI), IF: 0.959
- [12] Reema Goyal, R. B. Patel, H. S. Bhaduria and Devendra Prasad, Data Delivery Mechanism in WBAN Considering Network Partitioning Due To Postural Mobility, Journal of Engineering Science and Technology, Elsevier, Vol. 13, No. 11, pp. 3516 3531, Nov. 2018, **ESCI, Scopus**, Scimago 0.19
- [13] Vikrant Sharma, R. B. Patel, H. S. Bhadauria, Devendra Prasad:Glider assisted schemes to deploy sensor nodes in Wireless Sensor Networks. Robotics Auton. Syst. 100: 1-13, 2018, (SCI)
- [14] Sharma, V.; Patel, R.B.; Bhadauria, H.S.; Prasad, D., "Glider Assisted Schemes to Deploy Sensor Nodes in Wireless Sensor Networks", 100(2018):1-13, 2018 10.1016/j.robot.2017.10.015, Robotics and Autonomous Systems, Elsevier, ISSN: 0921-8890, Scopus, Impact factor = 2.3731
 - [15] Reema Goyal, H. S. Bhadauria, R. B. Patel, D. Prasad, "TDMA Based Delay Sensitive And Energy Efficient Protocol For Wban", Journal of Engineering Science and Technology, School of Engineering, Taylor's University, 12(4): 1067 1080, 2017, ISSN: 1823-4690, Scopus, SJR=0.32
 - [16] Sanjeev Prakash, R.B. Patel, V.K. Jain, "A multi-Attribute Intuitionistic Fuzzy Group Decision Method For Network Selection in Heterogeneous Wireless Networks Using TOPSIS", KSII Transactions on Internet and Information Systems, 10(11):5229-5252, November 30, 2016, 10.3837/tiis.2016.11.002, ISSN: 1976-7277, SCI (Thomson Reuters), Impact factor = 0.365
 - [17] Sharma, V.; Patel, R.B.; Bhadauria, H.S.; Prasad, D., "Policy for planned placement of sensor nodes in large scale wireless sensor network", KSII Transactions on Internet and Information Systems,10(7): 3213 3230, July 31, 2016, 10.3837/tiis.2016.07.019, ISSN: 1976-7277, SCI (Thomson Reuters), Impact factor = 0.365.
 - [18] Sharma, V.; Patel, R.B.; Bhaduria, H.S.; Prasad, D., "NADS: Neighbor Assisted Deployment Scheme for Optimal Placement of Sensor Nodes to Achieve Blanket Coverage in Wireless Sensor Network", Wireless Personal Communications, Springer, 90(4):1903-1933, October 2016, DOI 10.1007/s11277-016-3430-6, ISSN: 0929-6212, SCI (Thomson Reuters), Impact factor = 0.951
 - [19] Sanjeev Prakash.; Patel, R.B., V. K. Jain, "Intelligent Mobility Management Model for Heterogeneous Wireless Network", International Journal of Advanced Computer Science and Applications, 6(12): 190-196, December 2015, ISSN: 2158-107X, ESCI (Thomson Reuters).
 - [20] Sharma, V.; Patel, R.B.; Bhaduria, H.S.; Prasad, D., "Pneumatic Launcher Based Precise Placement Model for Large-Scale Deployment in Wireless Sensor Networks", International Journal of Advanced Computer Science and Applications, 6(12): 161-167, December 2015, ISSN: 2158-107X, ESCI (Thomson Reuters).
 - [21] Sharma, V.; Patel, R.B.; Bhaduria, H.S.; Prasad, D., "Deployment Schemes in Wireless Sensor Network to Achieve Blanket Coverage in Large-Scale Open Area: A Review", Egyptian Informatics Journal, Elsevier, 17(1): 45–56, March 2016, doi:10.1016/j.eij.2015.08.003, ISSN: 1110-8665, Scopus SJR=0.478.

- [22] Sanjeev Prakash, R. B. Patel and V. K. Jain, "Movement Assisted Component Based Scalable Framework for Distributed Wireless Networks", International Journal on Computational Science and Applications Australia, 5(5): 71-86, October 2015, DOI:10.5121/ijcsa.2015.5507, ISSN: 2200-0011, Indexed.
- [23] G. S. Bhamra, A. K. Verma, R. B. Patel, "Agent Based Frameworks For Distributed Association Rule Mining: An Analysis", International Journal in Foundations of Computer Science & Technology (IJFCST), Australia, 5(1):11-22, January 2015, DOI:10.5121/ijfcst.2015.5102, ISSN: 1839-7662, Indexed.
- [24] G. S. Bhamra, A. K. Verma, R. B. Patel, "A Serial Computing Model Of Agent Enabled Mining Of Globally Strong Association Rules", International Journal on Computational Sciences & Applications (IJCSA), Australia , 5(3):77-104, 2015, DOI:10.5121/ijcsa.2015.5307, ISSN: 2200-0011, Indexed.
- [25] Amit Kumar Bindal, Anuj Jain, Devendra Prasad, R. B. Patel, "Two-Way Energy Efficient Localization Scheme for Mobile Wireless Sensor Networks", International Journal of Applied Engineering Research, India, 10(3): 7659-7672, 2015, ISSN: 0973-4562, Scopus, SJR=0.16.
- [26] Amit Kumar Bindal, Anuj Jain, Devendra Prasad, R. B. Patel, "Power Ambulance System for Energy Harvested Wireless Sensor Network", International Journal of Computer Applications, 117(16):9-13, 2015, ISSN: 0975 8887, Indexed.
- [27] Reema Goyal, R. B. Patel, H.S. Bhadauria, D. Prasad, "Timeslot Allocation And Management Scheme To Deal With Emergency Data In Wireless Body Area Network", International Journal of Applied Engineering Research, 10(5): 11995-12008, 2015, ISSN: 0973-4562, SCOPUS, SJR=0.16.
- [28] G. S. Bhamra, A. K. Verma, R. B. Patel, "Agent enriched Quantitative Association Rules Mining for Amino Acids in distributed Protein Data Banks", International Journal of Next-Generation Computing, India, 6(1):1-15, March 2015. ISSN: 2229-4678, Indexed.
- [29] Kamal Kumar, A. K. Verma, R.B. Patel, "Variance Aware Secure Routing For Heterogeneous Wireless Sensor Networks", Malaysian Journal of Computer Science, 26(2): 159-169, 2013, ISSN: 0127-9084, SCI (Thomson Reuters), Impact factor=0.6.
- [30] R. B. Patel, Shashi Bhushan, Mayank Dave, "Self Organized Replica Overlay Scheme for P2P Networks", I.J. of Computer Network and Information Security, Japan, 10, pp.13-23, 2012, DOI: 10.5815/ijcnis.2012.10.02, ISSN: 2074-9090, 2074-9104 (E), Indexed.
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- [33] R. B. Patel, Vishal Garg, "A DYNAMIC AND SCALABLE PEDESTAL FOR PEER-TO-PEER NETWORKS", Journal of Information Systems and Communication, India, 3(1):147-153, 2012, ISSN: 0976-8742, 0976-8750(E), Indexed, ICV=4.57.
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- 2012, ISSN: 0976-8742, 0976-8750(E), Indexed, ICV =4.57
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- [36] Vijay Kumar, R. B. Patel, Manpreet Singh and RohitVaid, "Reliability Analysis in Wireless Sensor Networks", International Journal of Engineering and Technology, India, 3(2):74-79, 2011, ISSN: 0975-4024, Indexed.
- [37] R. B. Patel, M. Gupta, D. Prasad, "A Reliable Security Model Irrespective of Energy Constraints in Wireless Sensor Networks", International Journal of Advanced Computer Science and Application, USA, 2(4): 20-29, 2011, ISSN: 2156-5570(E), 2158-107X, ESCI (Thomson Reuter)/Scopus.
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- [39] S. K. Goyal, M. Singh, R. B. Patel, "Adaptive and dynamic load balancing methodologies for distributed environment: a review", International Journal of Engineering Science and Technology (IJEST), India, 3(3): 1835-1840, March 2011, ISSN: 0975-5462, Indexed.
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2. ResearchPublications(Books,otherthanrefereedJournalarticles)

(i) Books

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- [2] Dilip Kr, R. B. Patel, T. C. Aseri, "Wireless Sensor Networks (Heterogeneous Clustered Data Aggregation and Routing Protocols)", International Publisher LAMBERT Academic Publishing House, Germany, ISBN: 978-3-8484-1277-8
- [3] R. B. Patel, PremNath, "Theory Of Computation With Formal Languages", Khanna Book Publishing Company (P) LTD, Delhi, ISBN: 978-93-80016-52-8
- [4] R. B. Patel, PremNath, "Fundamental of Computers and Programming in C", Khanna Book Publishing Company (P) LTD, Delhi, ISBN: 978-81-906988-7-0
- [5] R. B. Patel, "Expert Data Structures With C++", Khanna Book Publishing Company (P) LTD, Delhi, ISBN: 81-87322-03-8
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- [7] R. B. Patel, "Go Through C", BPB Publication Delhi, ISBN: 81-7029-953-5

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- [9] R. B. Patel and B. P. Singh (Editors), American Institute of Physics (AIP) Conf. Proc. 1324, 77 (2010), Methods and Models in Science and Technology, American Institute of Physics, USA, ISSN: 0094-243X/ISBN: 978-0-7354-0879-1, Scopus

(ii) Articles/ChaptersinBooks

- [1] Patel, R.B., Awasthi, L., Govil, M.C., Rachita (2023). n-Layer Platform for Hi-Tech World. In: Pandey, S., Shanker, U., Saravanan, V., Ramalingam, R. (eds) Role of Data-Intensive Distributed Computing Systems in Designing Data Solutions. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-031-15542-0 5, pp. 83-96, January 2023.
- [2] Gupta, M., Patel, R.B., Jain, S. (2023). Analysis of Blockchain Integration with Internet of Vehicles: Challenges, Motivation, and Recent Solution. In: Pandey, S., Shanker, U., Saravanan, V., Ramalingam, R. (eds) Role of Data-Intensive Distributed Computing Systems in Designing Data Solutions. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-031-15542-0_8, pp. 129-163, January 2023
- [3] R. B. Patel, Neeraj Kumar, "Chapter 3: An Inter-Domain Agent Based Secure Authorization and Communication for Mobile Clients in Wireless Ad Hoc Networks", Advancing the Next-Generation of Mobile Computing: Emerging Technologies, IGI Publication, USA, ISBN 1466601191
- [4] R. B. Patel, Vijay Athavale, "Chapter XXXVIII: Reliable Computing in Heterogeneous Networks: A Review Report", Handbook of Research in Mobile Business: Technical, Methodological and Social Perspectives, Second Edition, Edited by: BhuvanUnhelkar, University of Western Sydney, Australia, IGI Publishing, USA, ISBN: 978-1-60566-156-8; 688

3. Completed Research Projects, Consultancies and Outcomes

(i) Completed and Ongoing Research Projects

Sr.	TitleoftheProject	FundingAgency	Duration		Grant/Amount	Principal	Ongoing/	Remarks
No.			from	to	(Rs.lakhs)	Investigator/ Co- Investigator	Completed ³	
1.	Calibration of Routing and Security Features in Heterogeneous Networks using Mobile Agents	AICTE DELHI	5/3/2008	30/04/2010	8.00	Principal Investigator	Completed	
2.	Role of Mobile Agents in Mobile Computing	AICTE DELHI	12/02/2007	06/02/2008	8.60	Principal Investigator	Completed	
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(iii) Patents

- 1. Priti Saxena, Dr. Ram Bahadur Patel, "ONLINE BANKING SECURITY DEVICE", Patent No. 395661-001, Dated: 21.09.2023.
- Vikrant Sharma, Dr. Harvenra Singh Bhaduria, Devendra Prasad, Dr. Ram Bahadur Patel, "A Centrifugal Cannon Based Sprinkler (CCS) System Mounted on a Deployment Helicopter and Methods Threreof", Application No. 201811010041, Date: 19.03.2018, Patent No. 425078, Dated: 14.03.2023.
- 3. Priti Saxena, R.B. Patel, "SECURING THE BANKING SERVERS WITH SANDBOX MODEL," Application No.202211039284 A, Date of filing of Application :08/07/2022, Publication Date : 22/07/2022.
- 4. Priti Saxena, R.B. Patel, Mitul Yadav, "AN ENHANCED 5-LEVEL CLOUD BASED SECURITY MODEL FOR ONLINE BANKING SECTOR," Application No.202211039580 A, Date of filing of Application :10/07/2022, Publication Date: 05/08/2022.
- 5. R. B. Patel, Amit Gautam, AJay gautam, "System, Method, And Computer Program For Routing Data In A Wireless Sensor Network", US 8,760,995 B1, APPLICATION no. 12/832,945, Jul. 8, 2010. Awarded on 24/06/2014 (US Patent International).
 - R. B. Patel, Kumkum Garg, "System For Reliable And Flexible Framework For Mobile Agent Distribution And Execution", Patent No. 261138, Application No.: 136/KOL/2009, January 27, 2009, date of grant 06/06/2014(Indian Patent)

4 (i) GuidanceofPGThesisofminimum1 yeardurationinfulltime(Degreeawarded)

Sl. No.	Session	ME/ M.Tech / M.Phil	Title of the thesis	Name of students	Date of award	Name of the Coguide if any	Remarks
1.	2014-	M.Tech	Stochastic Hill Climbing Power Aware and Fault Tolerant Load Balancing Approach for Cloud	Narendra Chamoli, 1253539	2014	NA	
2.	2014-	M.Tech	Improved Short Text Classification on Twitter based on Semantic Knowledge	HimanshuSuyal, 1253538	2014	NA	
3.	2014-	M.Tech	An Adaptive Privileged Multi-Objective Workflow Scheduling Algorithm for Cloud Environment	HimanshuGoel, 125537	2014	NA	
4.	2013- 14	M.Tech	Network Traffic Anomaly Detection Using Time-based Histograms	BABITA, 110090705003	2013	NA	
5.	2013- 14	M.Tech	Wormhole Attack in Wireless Passive Sensor Networks	HarshitaRawat, 110090705005	2013	NA	
6.	2013- 14	M.Tech	Data Aggregation in Wireless Sensor Networks	Shivangi Bhardwaj, 110090705014	2013	NA	
7.	2013- 14	M.Tech	A New Douglus clustering Algorithm for wireless sensor networks	Priyanka Karanwal, 110090705012	2013	NA	
8.	2011- 12	M.Tech	An Optimized Algorithm For Dynamic Spectrum Access Using Hidden Markov Model	Sanjay Kumar, 10001501022	2012	NA	
9.	2011-	M.Tech	Greedy Cluster Based Approach For Communication And Routing In Vehicular Ad-Hoc Network	Neha Chaudhary, 10001501016	2012	NA	
10.	2011- 12	M.Tech	Efficient End-To-End Information Delivery In Mobile Ad Hoc Networks	Navpreet Kaur, 10001501015	2012	NA	
11.	2010- 11	M.Tech	HAMMER- A Testbed for MANET	SimranChoudhary, 070765	2010	NA	
12.	2010- 11	M.Tech	Reliable and Energy Efficient Optimal Path Based Routing Protocol for Data Aggregation in Wireless Sensor Networks	Amandeep Kaur, 07-ECM-1021	2010	NA	
13.	2010- 11	M.Tech	Clustering Of Text Data Using Formal Concept Analysis	Rama Pathak, 07-ECM-1019	2010	NA	
14.	2010- 11	M.Tech	Security Through Cloud Computing in Web Banking	Neeru Sharma, 07-ECM-1006	2010	NA	
15.	2010- 11	M.Tech	Expert System Under Principles of Web Farming	Isha Sehgal, 07-ECM-1001	2010	NA	
16.	2009- 10	M.Tech	Energy Efficient Hierarchical Organization of Wireless	Ajay Kumar Gautam,	2009	NA	

			Sensor Networks	07-ECM-1016		
17.	2009-	M.Tech	A 7-Layer Model for	RohitVaid,	2009	NA
	10	1,1,1,0,1,1	modernizing the world: A	07-ECM-1017		
			Step towards Hi-Tech World			
18.	2009-	M.Tech	Cache Management	Amit Sabrawal,	2009	NA
10.	10	1,1,1,0,1,1	Framework for Wireless	07-ECM-1175		
			Networks			
19.	2008-	M.Tech	A Multiagent System for	Sanjeev Prakash,	2008	NA
1,,,	09	1,1,1,2,011	Information Access in	06-ECM-582		1,11
			Distributed Databases	00 ECM 502		
20.	2008-	M.Tech	World Wide Web: Relational	NeerajRaheja,	2008	NA
20.	09	IVI. I CCII	Approach	98-SETK-1	2000	1471
21.	2008-	M.Tech	Hybrid Web Caching	Rajeev Tiwari,	2008	NA
21.	09	WI. I CCII	Approach	2K-HEJ-149	2000	IVA
22.	2007-	M.Tech	A Reliable Information	Kamal Kumar,	2007	NA
22.	08	WI. I CCII	Delivery in Wireless Grid	96-ECM-101	2007	INA
	08		Platform: A Mobile Agent	90-ECM-101		
			and Distributed SendBox			
22	2007	M T1-	Approach	D 1 D 1	2007	NT A
23.	2007-	M.Tech	Trust Based Peer-to-Peer	Devendra Prasad,	2007	NA
2.4	08	MT 1	System	05-ECM-589	2007	NIA
24.	2007-	M.Tech	Context Based Searching	Amit Kumar	2007	NA
	08		Over Internet: A Mobile	Bindal,		
2.5	2006) (T) 1	Agent Approach	2K-HEJ-303	2006	37.4
25.	2006-	M.Tech	A Hierarchical Mobile	Anu,	2006	NA
	07		Transaction System For Open	2K-SETK-112		
26	2006) (m 1	Networks	T' 1 C 1	2006	37.4
26.	2006-	M.Tech	Platform for Peer-to-Peer	Jiwal Goyal,	2006	NA
	07	3.55	Computing System	04-ECM-33	• • • •	37.
27.	2006-	M.Tech	Cluster Computing: A Mobile	Manpreet Singh,	2006	NA
20	07) (m 1	Code Approach	96-ECM-368	2006	37.4
28.	2006-	M.Tech	Message Passing Based	Sandip Kumar	2006	NA
	07		Model for Fault Tolerant	Goyal,		
20	2006	3.55	Cluster	96-ECM-399	2006	37.
29.	2006-	M.Tech	Mobile Agents in	NeerajGoel	2006	NA
•	07		Heterogeneous Networks	04-MCM-36	• • • •	
30.	2006-	M.Tech	Enhancement of Quality of	Sumant Raj	2006	NA
	07		Degraded Images Using	Chauhan,		
	• • • •		Global Thresholding	04-MCM-34		77.
31.	2005-	M.Tech	Mobility Aware Cache	Deepika Jain,	2006	NA
	06		Management in Wireless	99-ECM-304		
	• • • •		Environments		• • • •	
32.	2005-	M.Tech	Load Balancing On Open	Neetu Aggarwal,	2006	NA
	06		Networks: A Mobile Agent	04-MCM-30		
			Approach			
33.	2005-	M.Tech	Design and Implement a	Upinder Kaur,	2006	NA
	06		Prototype for Intrusion	99-CC-8448		
			Detection in Mobile Ad hoc			
			Networks			
34.	2005-6	M.Tech	Distributed Banking System:	Vishal Garg,	2006	NA
			A Mobile Agent Approach	99-ECM-305		
35.	2005-6	M.Tech	Fast and Programmable	Anu Gupta,	2006	NA
			Handoff for Mobile IP	99-SETK-66		
36.	2005-6	M.Tech	Task Distribution Over	Ritu Garg,	2006	NA
L			Computational Grid	04-ECM-31		
37.	2005-6	M.Tech	Network Congestion Control	Rajeev Dahiya,	2006	NA
			for IPv4 Transmission Control	04-MCM-32		
L			Protocol	<u> </u>		
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38.	2004-5	M.Tech	Centralized Computing: A Think Client Approach	ManavDhawan	2005	Vijay Kr.	

- 1.), , Awarded 2023.
- 2. Manik Gupta(PHDENG17048), Blockchain Based Security Model for Mobile IoT Systems, November, 2022.
- 3. Reema Goyal (Enrollment No. 130091001012), , FAULT TOLERANT AND ENERGY EFFICIENT MODEL FOR WIRELESS BODY AREA NETWORKS: ALGORITHMS AND PROTOCOLS, 2020.

4(ii) GuidanceofPh.D.Thesis

Sl. No	Title of the thesis	Name of scholar	Guide/c o- guide?	Name of Co- guide(s)	Submitte d/ awarded	Date of submissi on /Award	Remar ks
1.	Knowledge Adaptation in Cross- Domain Opinion Classification for Textual Information	Rahul Kumar Singh (PCS-1604)	Guide	Dr. R. B. Patel Dr. Manoj Sachan	awarded	2023	
2.	Blockchain Based Security Model for Mobile IoT Systems	Manik Gupta(PHDENG170 48)	Guide	Dr. R. B. Patel Dr. Shail	awarded	2022	
3.	, FAULT TOLERANT AND ENERGY EFFICIENT MODEL FOR WIRELESS BODY AREA NETWORKS : ALGORITH MS AND PROTOCOL S	Reema Goyal (130091001012),	Guide	Dr. R. B. Patel, Dr. H. S. Bhaduria, Dr. D. Prasad	awarded	2020	

4.	Open Area Sensor Network Deployment Policies And Models	Vikrant Sharma, 130091001014	Guide	Dr. R. B. Patel, Dr. H. S. Bhaduria, Dr. D. Prasad	Awarded	2018	
5.	Secure, Scalable and Intelligent System for Heterogeneous Wireless Networks	Sanjeev Prakash PCS/1002	Guide	Dr. R. B. Patel, Dr. V. K. Jain	Awarded	2017	
6.	Realization Energy Harvesting Models for Sustainable Wireless Sensor Networks	Amit Kumar Bindal, 09-PhD-107	Guide	Dr. R. B. Patel, Dr. D. Prasad	Awarded	2015	
7.	A Framework for Association Rule Mining of Distributed Data	Gurpreet Singh Bhamra 90703508	Co- Guide	Dr. A. K. Verma, Dr. R. B. Patel	Awarded	2015	
8.	Secure Information Dissemination in Heterogeneous Wireless Sensor Networks	Kamal Kumar 90703509	Co- Guide	Dr. A. K. Verma, Dr. R. B. Patel	Awarded	2014	
9.	Real Time Information Dissemination and Management in Peer-to-Peer Networks	Shashi Bhushan, 2K06NITK-PhD-1095	Co- Guide	Dr. M. Dave, Dr. R. B. Patel	Awarded	2013	
10.	Intelligent, Secure and Scalable System for Heterogeneous Wireless Networks	Suman, 09111010	Co- Guide	Dr. Parminder Singh, Dr. R. B. Patel	Awarded	2013	
11.	Design and Evaluation of Effective Routing Strategies for Mobile Ad-hoc Networks	Rajesh Gargi, 06-01-9-03	Co- Guide	Dr. Yogesh Chaba, Dr. R. B. Patel	Awarded	2013	
12.	Agent Guided Secure and Fault Tolerant Information Dissemination in Wireless Sensor Network	Deepika Jain, 08-Ph.D.010	Guide	Dr. R. B. Patel	Awarded	2012	
13.	Traffic Contention Assessment And	Kamal Sharma, 02-35-09	Co- Guide	Prof. HarbhajanSin gh,	Awarded	2012	

S. No.	TypeandName ofthe Programme	Organizer	Duration	No. of weeks	Remarks
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			1	1			
	Control For			Dr. R. B.			
	Improvement Of			Patel			
	QoS In						
	Heterogeneous						
	Wireless Sensor						
	Networks						
14.	Neighbor	Vishal Garg	Guide	Dr. R. B.	Awarded	2011	
	Assisted	08-Ph.D.009		Patel			
	Distributed and						
	Scalable						
	Environment						
	(NADSE) for						
	P2P Systems						
15.	A Reliable and	Vijay Kumar,	Guide	Dr. R. B.	Awarded	2011	
	Fault Tolerant	08-Ph.D.005		Patel			
	Computing						
	Model for						
	Wireless Sensor						
	Networks						
16.	Secure and Fault	Devendra Prasad,	Guide	Dr. R. B.	Awarded	2011	
	Tolerant Data	08-Ph.D.004		Patel			
	Dissemination in						
	Mobile Wireless						
	Sensor Network						
17.	Network	Ajay Koul,	Guide	Dr. R. B.	Awarded	2010	
	Security and	06PHDECS02		Patel,			
	QoS in Ad Hoc			Dr. V. K.			
	Networks			Bhatt			
18.	Energy Efficient	Dilip Kumar,	Guide	Dr. R. B.	Awarded	2010	
	Data	08-Ph.D.006		Patel,			
	Aggregation and			Dr. T. C.			
	Fusion in			Aseri			
	Wireless Sensor						
	Networks						
19.	Load Balancing	Neeraj Nehra,	Guide	Dr. R. B.	Awarded	2008	
	in	05PHDECS03		Patel,			
	Heterogeneous			Dr. V. K.			
	Networks: A			Bhatt			
	Mobile Agent						
	Approach						
		<u> </u>	1	1	1		

^{5.} Refreshercourses, Methodology Workshops, Training, Teaching-Learning-Evaluation Technology Programmes, Soft Skills Development Programmes, Faculty Development Programmes

1.	Database Programming with PL/SQL	By Oracle Academy at Chandigarh College of Engineering and Technology (Degree Wing), Sec-26, Chandigarh	10/7/2017	14/7/2017	1	
2.	Web based content development using Moodle through ICT	National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh, India	03/10/2016	07/10/2016	1	
3.	Web Development using ASP.NET	National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh, India	04/1/2016	08/1/ 2016	1	
4.	E-governance in Technical Institutions through ICT	National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh, India	27/7/2015	31/7/2015	1	
5.	Database Design Using SQL Programming	Chandigarh College of Engineering and Technology (Degree Wing), Sec-26, Chandigarh	04/5/2015	08/5/2015	1	
6.	Mobile & Distributed Computing Systems and Models	Indian Institute of Technology, Roorkee, Uttarakhand	6/1/2014	10/1/2014	1	
7.	Pedagogical Training for Engineering Faculties	By Engineering Staff College of India at G. B. Pant Engineering College, Pauri- Garhwal, Uttarakhand	4/8/2014	8/8/2014	1	
8.	IBM SEED Program	By IBM at G. B. Pant Engineering College, PauriGarhwal, Uttarakhand, India	27/5/2013	30/5/2013	1	
9.	Strategies for Organization's Growth	Indian Institute of Technology, BOMBAY	21/1/2013	25/1/2013	1	
10.	Information Technology and Its Impact on Society- A New Horizon of Energy Efficiency and E-Waste	TEQIP-II, G. B. Pant Engineering College, Pauri-Garhwal, Uttarakhand, India	26/8/2013	30/8/2013	1	

	Management (ITIS-13)					
11.	Induction Training Programme Through ICT	National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh, India	08/7/2013	12/7/2013	1	
12.	Human Values and Professional Ethics	IIT Roorkee, U.K.	18/3/2002	23/3/2002	1	

${\bf 6.\ Papers Presented\ in Conferences/Seminars/Workshops/Symposia\ etc}$

S. N	Titleofthe Conferenc	Organize	Titleoft	Ma in	Partic	Intern ational	Dura	ation	
0.	e/ Workshop /Seminar /Symposia	d By	he PaperPr esented	Aut hor /Co - Aut hor	ipated /Prese nted	/Natio nal /State /Local	From	То	Rem arks
1.	3rd International Conference on Next Generation Communicatio n and Computing Systems (ICNGC2S - 12), Institution of Engineers, Technocrats and Academicians Network, Delhi Chapter, Vadodara, Gujarat, India	Institution of Engineers, Technocra ts and Academici ans Network, Delhi Chapter, Vadodara, Gujarat, India	A Scalable Agent Pedestal For Wireless Sensor Networks	Mai n	Present ed	Internati	17 Nov, 2012	18 Nov, 2012	
2.	International Conference on Methods and Models in Engineering and Technology (ICM2ET-12), Vadodara, GUJARAT, India	Institution of Engineers, Technocra ts and Academici ans Network, Delhi Chapter, Vadodara, Gujarat, India	3-TMS: Hierarchi cal Fault Tolerant System For Wireless Sensor Networks	Mai n	Present ed	Internati onal	17 Nov, 2012	18 Nov, 2012	
3.	2 nd International Conference on Methods and Models in Science and Technology (ICM2ST-11)	Institution of Engineers, Technocra ts and Academici ans Network, Jaipur	Resource Manage ment in Peer to Peer Networks a NADSE Approac h	Mai n	Present ed	Internati onal	19 Nov, 2011	20 Nov, 2011	
4.	2nd	Institution	PAIRS-	Mai	Present	Internati	24	25	

	International Conference on Next Generation Communicatio n and Computing Systems (ICNGC2S-11)	of Engineers, Technocra ts and Academici ans Network, Chandigar h, India	Algorith m for Secure Heteroge neous Networks	n	ed	onal	Mar, 2012	Mar, 2012	
5.	3 rd International Conference on Advanced Computing and Communicatio n Technologies (ICACCT- 2008)	Pantipat Institute of Engineeri ng and Technolog y, Panipat, HR	Transacti onal Data Set Generato r for frequent Item sets mining	Mai n	Present ed	Internati onal	8/11/2 008	9/11/2 008	
6.	COIT-2008, RIMT-IET, MandiGobindg arh, Punjab, India	RIMT- IET, MandiGob indgarh, Punjab, India	An Agent enriched Distribut ed Data Mining on Heteroge neous Networks	Co- auth or	Present ed	National	29/3/2 008	29/3/2 008	
7.	International Conference on Recent Application of Soft Computing in Engineering and Technology(R ASCET-07)	Institute of Engineeri ng and Technolog y, Alvar RJ	Optimiza tion Techniqu es for on Demon Routing Protocols in Ad hoc Networks	Mai n	Present ed	internati onal	23/12/ 207	24/12/ 2007	
8.	National Seminar on Convergence of Management and Technology -a new Horizons	Tilak Raj Chadha Institute of Managem ent and Technolog y, Yamunana gar, HR	Secure Informati on Flow in MANET s-A Challeng e	Mai n	Present ed	National	24/11/ 2007	24/11/ 2007	
9.	International Conference on Information Technology Integration	Sanjay Institute of Engineeri ng and Technolog y,	A New Commun ication Approac h for Mobile	Mai n	Present ed	National	23/3/2 007	25/3/2 007	

		Mathura, U.P.	Agent System						
10.	8th Annual International Conference MAP India 2005 and Geometrics 2005, New Delhi, India	New Delhi, India	A Prototype for Mobile Data Access	Mai n	Present ed	Internati onal	Feb. 7, 2005	Feb. 9, 2005	
11.	Strategy & Methodology for Conservation of Heritage Buildings and Monuments in India, Roorkee, India	CBRI, Roorkee, India	Software Agents for Tourism Promotio n at Heritage Destinati ons	Mai n	Present ed	National	April 4, 2002	April 5, 2002	
12.	First International ICSC Congress on AUTONOMO US INTELLIGEN T SYSTEMS, Deakin University Waterfront Campus, Geelong, Australia	Deakin University Waterfron t Campus, Geelong, Australia	Commun ication Mechanis ms for Mobile Agents	Mai n	Present ed	Internati onal	Feb. 12, 2002	Feb. 15, 2002	
13.	9 th International Conference on Advanced Computing and Communicatio ns, Bhubaneshwar, India	Bhubanes hwar, India	Mobile Agent Manage ment in PMADE	Mai n	Present ed	Internati onal	Dec. 16, 2001	Dec.1 9, 2001	

(iii)Organization of Conferences/Seminars/Workshops etc. of minimum 1 week duration

S. N o.	TitleoftheConferenc e/Workshop/ Seminar	Organized by	Post/Respo nsibility	Internat ional/ Nationa l/State	From	То	Dura tion	Rem arks
1.	International Conference on Methods and Models	IETAN, India	Organising Chair	Internatio nal	17 Nov, 2012	18 Nov, 2012	2 days	

	in Engineering and Technology (ICM2ET-12), Varodara, Gujrat, India							
2.	3rd International Conference on Next Generation Communication and Computing Systems (ICNGC2S-12), Varodara, Gujrat, India	IETAN, India	Organising Chair	Internatio nal	17 Nov, 2012	18 Nov, 2012	2 days	
3.	International Seminar on Green Communication, Computing & Management Systems (ISGC2MS-12), Chandigarh, India	IETAN India	Organising Chair	Internatio nal	26 Mar, 2012	26 Mar, 2012	1 day	
4.	2nd International Conference on Next Generation Communication and Computing Systems (ICNGC2S-11), Chandigarh, India	IETAN India	Organising Chair	Internatio nal	24 Mar, 2012	25 Mar, 2012	2 days	
5.	2nd International Conference on Methods and Models in Science and Technology (ICM2ST-11), Jaipur, Rajasthan, India	IETAN, India	Organising Chair	Internatio nal	19 Nov, 2011	20 Nov, 2011	2 days	
6.	International Conference on Methods and Models in Science and Technology (ICM2ST-10), Chandigarh, India	IETAN India	Organising Chair	Internatio nal	25 Dec, 2010	26 Dec, 2010	2 days	
7.	International Conference on Computing Systems Next Generation Communication (ICNGC2S-10), Chandigarh, India	IETAN India, and Ram Devi Jindal Group of Colleges, Mohali, India	Organising Chair	Internatio nal	25 Dec, 2010	26 Dec, 2010	2 days	

8.	Academic Excellence in Engineering Education	G. B. Pant Engineering College, Pauri- Garhwal, UK	Convener	National	05/05/ 2014	06/05/ 2014	02 days	
9.	Information Technology and Its Impact on Society- A New Horizon of Energy Efficiency and E-waste Management (IT IS- 2013)	Department of Computer Science and Engineering , G. B. Pant Engineering College, Pauri- Garhwal, UK	Convener	National	26/08/ 2013	30/08/ 2013	05 days	
10.	GREEN COMPUTING- A New Horizon of Energy Efficiency and E-Waste Minimization	Deenbandh uChhotu Ram University of Science & Technology , Murthal (Sonepat), India	Convener	National	16/05/ 2011	20/05/ 2011	05	

(iv) Invited Lectures and Chairmanships at National/International Conference/ Seminars

S.	Title of	Title of Conference/Seminar	Date(s) of the	Organized by	Whether
No.	Lecture/	etc	event		International/
	Academic				National/State
	Session				
1.	Invited Talk on	NATIONAL	SEPTEMBER	SLIET, Longowal,	National
	Manthan	CONFERENCE (TEQIP-III	05-06, 2018)	Punjab	
		TWINNING			
		ARRANGEMENT) On			
		"Education Transforms			
		Lives" (ETL'2018)			
2.	Invited Talk on	International Conference on	23/03/2017-	International	International
	Green	Communication, Computing	24/03/2017	Conference on	
	Computing, and	and Networking (ICCCN-		Communication,	
	Session Chair	2017), NITTTR Chandigarh		Computing and	
		2017), WITTER Chandigain		Networking (ICCCN-	
				2017), NITTTR	
				Chandigarh	

3.	Basic of Mobile System Design	Simulation and Modeling	8-10 September 2016	SLIET, Longowal, Punjab	National
4.	Role of Mobile Agents in Distributed Applications	Mobile Computing	18-22 April 2016	NITTTR Chandigarh	National
5.	APLOMB (Agent Pedestal for Load Optimization, Management and Bond) Technology: Concepts and Applications	Adhoc Networks and Cloud Computing	13-17 January, 2016	SLIET, Longowal, Punjab	National
6.	Role of Mobile Agents in Mobile Computing	Mobile Computing	13-17 April 2015	NITTTR Chandigarh	National
7.	Keynote address: APLOMB Technology an Introduction	Network Securities Issues and Resource Optimization	October 27 28, 2012	Graphic Era University, Dehradun, UK, India	National
8.	Session Chair	Emerging Trends in Engineering(NCETIE-2012)	April 13, 2012	Geeta Engineering College, Panipat, Haryana, India	National
9.	Keynote Address	High Performance Computing	18th March 2011	Department of Computer Applications, KVM College of Engineering & IT, Cochi, India	National
10.	Keynote Address	A New Naming Scheme of Mobile Agents and it Applications	March 25-26, 2011	Engineering and Management, Vindhya Institute of Technology & Science, Jabalpur, India	National
11.	Chair	Computing, Communication & Information Technology (CCIT-2010)	28 th -29 th May 2010.	Department of Computer Science&Engineering, SLIET, Longowal, Sangrur, Punjab, India	National
12.	Session Chair	IEEE International Advance Computing Conference (IACC'09)	March 6-7, 2009	Thapar University, Patiala, India	International
13.	•	Modern Development in Engineering and Sciences NCMDES 2009)	February 27- 28, 2009	Ambala of College of Engineering and Applied Research, Mithapur, Ambala, Haryana, India	National
14.	Chair	Intelligent Systems & Networks (IISN-2009),	February 14- 16, 2009	Institute of Science and Technology Klawad, Yamunanagar, HR, India	International
15.	Keynote Address	Emerging Trends in Computing Through IT Enabled Systems	February 7-8, 2009.	Anand Engineering College, Agra, India	National

16.	Keynote Address	Next Generation Computing & Information System (NGCIS 2009)	February 14- 15, 2009.	Model Institute of Engineering Technology, Jammu, India	National
17.	Session Chair	Advanced Computing & Communication Technologies (ICACCT- 2008)	09, 2008 Information		International
18.	Session Chair	Machine Intelligence (NCMI-2008)	August 22-23, 2008	Centre for Advanced Technology, HEC, Jagadhari, Haryana, India	National
19.	Keynote Address	National Technical Symposium	March 14-15, 2008	Harayana Engineering College Jagadhari, Yamunagar, HR, India	National
20.	Keynote address	Nano, Bio and Information Technology Integration,	March 23-24, 2007	Sanjay Institute of Engineering and Management, Mathura, U.P., India	National
21.	Keynote Address	Information and Communication Technologies-Recent Advances and Applications	February 9- 11, 2006	JMIT Radaur, Yamunanagar, HR, India	National
22.	Session Chair	EDUCATIONAL TECHNOLOGIES (EDUTE 2006)	October 16- 18, 2006	Bucharest, Romania Internatio	
23.	Session Chair	INSTRUMENTATION, MEASUREMENT, CIRCUITS and SYSTEMS (IMCAS '06)	April 16-18, 2006	Hangzhou, China	International
24.	Session Chair	MATHEMATICS AND COMPUTERS IN BUSINESS AND ECONOMICS (MCBE'05)	March1-3, 2005.	Buenos Ayres, Argentina,	International
25.	Session Chair	MATHEMATICS AND COMPUTERS IN BUSINESS AND ECONOMICS (MCBE'05)	March 1-3, 2005	San Diego, California, USA	International
26.	Session Chair	APPLIED ELECTROMAGNETICS, WIRELESS and OPTICAL COMMUNICATIONS (ELECTROSCIENCE '05)	August 8-10, 2005	San Diego, California, USA	International

M.Phil Thesis Guidance:

Sl. No.	Name of Faculty	Name of student and registration number	Title of project	Year of completion	Single/ Joint guidance
1.	R. B. Patel	Ms. Upinder Kaur	Fault Tolerant Data Access On Open Networks	2007	Single
2.	R. B. Patel	PreetiKashyap	Data Mining Over Distributed Databases: A Mobile Agent Approach	2007	Single
3.	R. B. Patel	Lokesh Garg, CS-7238	Improved Mobility Management In GSM Network Using Cellular IP	2007	Single
4.	R. B. Patel	Poonam Bhasin	Secure Data Dissemination in Autonomic Mobile Ad hoc Networks	2007	Single
5.	R. B. Patel	Ms. Reena, 6MCS13810002	Reliability issues in M-commerce	2007	Single
6.	R. B. Patel	Ms. KavitaTaneja	NS-2 Based Design of Framework for Routing in Mobile Ad hoc Networks	2007	Single
7.	R. B. Patel	Rita Khurana, 51048	Detection of Control Flow Errors Using Signatures	2007	Single

Signature

Date: January 9, 2025 (Prof. RAM BAHADUR PATEL)

PROF. RAM BAHADUR PATEL(Brief Bio-Data)

	RAM BAHADUR PA	TEL	DateofBirth	:10-03-1966		
Category:(SC/ST/OBC/UR): UR PwD:Yes/No.: NO						
Qualifications:	Degree	Division	Year		University	
UG Comp Gorakahpur	uter Engineering	1 st 1991 M.	M. M. Engine	ering College	e, Gorakhpur Universi	ity,
PG Maste	er of Science	1 st 1996 BITS	Pilani, Rajast	han		
PhD Comp	uter Science & Enginee	ering - 200	5 Indian Ins	titute of Tec	hnology, Roorkee, Ut	tarakhand
	Ooctoral Fellowship zikyriakou, GREECE	- 200:	Military I	nstitutions of	University Education	, Hellenic Naval
TotalExperience:25	Year		PostPh.D.E	xperience:14	4.Year	
Teaching						
Position			BasicP	ay AGP	From	То
Professor , Chandiga U. T. Govt., Sec-26	arh College of Engineer , Chandigarh, India	ing and Technolog	y, 47920	10000	08-07-2019	Till date
Professor, National	Institute of Technolog	gy, Uttarakhand	15910	0 14A(1)	07/07/2018	08/07/2019
Professor , Chandiga U. T. Govt., Sec-26	arh College of Engineer , Chandigarh, India	ing and Technolog	y, 47920	10000	12-12-2014	06/07/2018
Professor, Deenband Technology, Murtha	lhuChhotu Ram Univer ll (Sonepat), India	sity of Science &	44290	10000	Nov 2, 2010	June 18, 2012
Professor , Mody Institute of Technology and Science Lakshmangarh, Rajasthan, India			51860	10000	December 28, 2009	November 1, 2010
Professor, M. M. University, Ambala, HR, India			76000	10000	October 2004	December 27, 200
AssociateProfessor , Garhwal, Uttarakhan	G. B. Pant Engineering d, India	College, Pauri-	3880	9000	June 19, 2012	June, 19, 2012
AssistantProfessor, Garhwal, Uttarakhan	G. B. Pant Engineering d, India	College, Pauri-	13260) 420	October 17, 1997	October 25, 2004
AssistantProfessor/Pauri-Garhwal, Uttar	Lecturer, G. B. Pant Erakhand, India	ngineering College,	2275	75	March 4, 1995	October 16, 1997
Lecturer, M. M. Eng	gineering College, Gork	ahpur, U.P., India	4000(Fi	xed -	October 4, 1991	March 2, 1995
PresentEmployer(ifa	pplicable)andBasicPay&	&AGP: 159100/- A	GP: 14A(1)			
No.ofPublications		N	itional		International	Remarks
JournalPapers			01		74	
PapersinConferencel	PapersinConferenceProceedings 11		11	73		
Books	Books 06		06	01		
ChaptersinBooks -			-		01	
Patents 01 (Indian) +			n) + 01 Filed		01 (US)	
Ph.D.thesisGuided	Ph.D.thesisGuided 16 (Awar					
Research Projects			The state of the s	ored 02 proje	ect of Rs. 8 Lacs, Rs. 8	3.6 Lacs
				1 3	, ,	
Awards: 09 (Best Pa						

Date: January 9, 2025	PROF. RAM BAHADUR PATEL