Shrimad Rajchandra Institute of Management and Computer Applications, UTU

Name	Dr. Ronakkumar Babubhai Patel
Qualification	MCA, Ph.D.
Area of Interest	Programming, Web Technology, Biometric Authentication
Teaching Experience	18 Years
Subjects Teaching	Essentials of Advanced Object-Oriented Programming, Soft Computing Techniques

Research Papers

Presented	21
Published	12

Seminar/ Workshop/ Training attended

Title	Organization	Place	Date
Webinar on Commercialization of IPR	Indus University	Ahmedabad	29-1-2022
One week STTP on Data Science with Statistical Method using Python(DSSMP)	Center of Excellence in Data Science and Department of Computer Science and Engineering G H Raisoni College of Engineering	Nagpur	17-01-2022 to 21-01-2022
IP Awareness/Training program under National Intellectual Property Awareness Mission	Intellectual Property Office	Chainnai	08-01-2022
GUJCOST Sponsored Two Days National E-Workshop on "Python Programming"	Department of Computer Application (MCA), Sankalchand Patel College of Engineering, Sankalchand Patel University	Visnagar	19-8-2021 to 20-8-2021
Online Refresher Course in ITGS (Information Technology in Global Society) , Sponsored by UGC	University Grants Commission Human Resource Development Centre (HRDC) Gujarat University	Ahmedabad.	06-09-2021 to 19-09-2021
Orientation Program, Sponsored by UGC	Smt C R Gardi Academic Staff College	Saurastra University, Rajkot	12-04-2010 to 09-05-2010

International Faculty development Program Phase I and II on Enhancing 21st Century Teaching Andragogy by Integrating applied education & world of work skills for the global economy into their teaching practice	Sankalchand Patel University	Visnagar	Feb-2019
International Faculty development Program on Creativity Innovation and Problem Solving	Sankalchand Patel University	Visnagar	15-05-2019
Workshop on Moodle learning Management System	Teaching learning center, IIT, Bombay, SPCE, Sankalchand Patel University	Visnagar	15-03-2019
National Seminar on Recent Trends and Awareness on Cyber Security	Sankalchand Patel University	Visnagar	24-01-2019 to 25-01-2019
Seminar on value based Education	Gujarat University	Kherva	12-04-2019
A Three days Workshop on Research Methodology and Applications of SPSS on Data Analysis	AMPICS, Ganapat University	Kherva	11-07-2013 to 13-07-2013
A Three day Workshop on Promotion of Culture of Quality through Research	Knowledge consortium of Gujarat and P S Science and H D Patel Arts College	Kadi	21-3-2012 to 23-3-2012
District Level Workshop	Knowledge consortium of Gujarat and R M Prajapati Arts College	Satlasana	25--8-2012
National Workshop on Digital Signal processing and it's Applications	S K Patel Institute of Mgt and Computer Studies, Kadi Sarva Vidyalaya	Gandhinagar	12-03-2011 to 13-03-2011

One Day Workshop on Teaching: The Profession to Personal Fulfillment	Smt C R Gardi Academic Staff College, Saurastra University, Rajkot And Vivekanand Institute of Hotel and Tourism Management, Kuchiyadar	Rajkot	28-4-2010
Two days Workshop on Mind Power	Adhia Academy,	Ahmedabad	19-062010 to 20-06-2010
A Workshop on Research Methodology	Kadi Sarva Vidyalaya	Gandhinagar	28-02-2009
A Three Days Workshop on Exploring New Horizons of Information Technology	Kadi Sarva Vidyalaya	Gandhinagar	19-09-2009 to 21-09-2009
One Day Workshop on Introduction to Research methodology for Academic research	Sankalchand Patel College of Engineering	Visnagar	15-02-2009
National Seminar on Nanotechnology: Today and Tomorrow.	Nirma University	Ahmedabad	09-01-2009
National Seminar on Current trends in ICT	G H Patel Post Graduate Department of Computer Science and Technology,Sardar Patel University and Computer Society of India VV Nagar Chapter.	Vallabh Vidya Nagar	14-02-2009
STTP on Recent Trends and technology in Image processing	U V Patel College of Engineering	Kherva	26-05-2008 to 30-05 2008

Paper Presented

Year	Title	Reference
2022	An Improve Approach in Core Point Detection for Secure Fingerprint Authentication System	M.B. Patel, R.B. Patel , J. N. Patel ,S.M. Parikh (2022). In Proceeding of the 6th International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2022).
2022	Analysis & research review of kidney stone disease detection using various techniques	V.R. Patel, R.B. Patel (2022). International Virtual Conference on Emerging Era of Applications of Computer, PAHER University, Udaipur, India
2022	A critical Review on automatic number plate recognition system	A.K Patel, R.B. Patel (2022). International Virtual Conference on Emerging Era of Applications of Computer, PAHER University, Udaipur, India
2022	Comparative Study Of Extractive And Abstractive Text Summarization Using Deep Learning Techniques	S.V.Mishra, R.B. Patel (2022). International Virtual Conference on Emerging Era of Applications of Computer, PAHER University, Udaipur, India
2020	Biometric Fingerprint Recognition Using Minutiae Score Matching	R.B. Patel, D. Hiran, & J.M. Patel (2021). In Data Science and Intelligent Applications (pp. 463-478). Springer, Singapore.
2017	An improved O'Gorman filter for fingerprint image enhancement	M. B.Patel, R. B.Patel , S. M.Parikh, & A. R.Patel (2017, August). In 2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS) (pp. 200-209). IEEE.
2019	Performance Improvement in Image Enhancement for Fingerprint Images Using Gaussian Mask and Sobel Convolution	R.B.Patel , D Hiran, & J.M.Patel (2021). International conference on Transformation of Business economy and society of digital era, Pacific University, Udaipur.
2012	A Generic Architecture for a fingerprint Biometric System	R.B. Patel(2012). International Conference on recent trends of computer technology in academia(2012), Udaipur, Rajasthan.
2009	Integration between Data mining, data Ware house and OLAP	R.B. Patel(2009), ENVISION-2009 National Student Convention- Computer Society of India Ahmedabad Chapter(CSIAC) organized by SV Institute of Computer Studies,Kadi.
2009	Components of Biometric Authentication System	R.B. Patel(2009), ENVISION-2009 National Student Convention- Computer Society of India Ahmedabad Chapter(CSIAC) organized by SV Institute of Computer Studies,Kadi.

2009	Artificial Neural Networks- Making Machine to Learn	R.B.Patel, K.R.Patel, E.K.Patel(2009) , National Seminar on Current Trends in ICT (CTICT 2009) organized by G H Patel Post Graduate Department of Computer Science and Technology,Sardar Patel University and Computer Society of India VV Nagar Chapter.
2009	Integration between Data mining, data Ware house and OLAP	R.B.Patel(2009). ENVISION-2009 National Student Convention- Computer Society of India Ahmedabad Chapter(CSIAC) organized by SV Institute of Computer Studies, Kadi.
2009	A Study on Biometric Modalities	R.B.Patel(2009). ENVISION-2009 National Student Convention- Computer Society of India Ahmedabad Chapter(CSIAC) organized by SV Institute of Computer Studies, Kadi.
2009	Biometric Authentication using Fingerprint Recognition system	R.B.Patel(2009). National Symposium on Indian IT@Croxroads Sponsored by AICTE,New Delhi, organized by S K Patel Institute of Mgt and Computer Studies, Kadi Sarva Vidyalaya, Gandhinagar .
2009	A study on HPSS	R.B.Patel(2009). National Symposium on Indian IT@Croxroads Sponsored by AICTE,New Delhi, organized by S K Patel Institute of Mgt and Computer Studies, Kadi Sarva Vidyalaya, Gandhinagar .
2009	Advance Intelligent Authentication Using Biometric Techniques	R.B. Patel(2009). 3rd Indian Conference on Management(I-COM 2009) Organised by S K Patel Institute of Mgt and Computer Studies, Kadi Sarva Vidyalaya, Gandhinagar.
2009	An Overview on Intelligent Assistant for the Data Mining Process	R.B. Patel(2009). 3rd Indian Conference on Management(I-COM 2009) Organised by S K Patel Institute of Mgt and Computer Studies, Kadi Sarva Vidyalaya, Gandhinagar.
2009	Impact of M-Commerce & M-Payment in Indian Context	R.B. Patel(2009). 3rd Indian Conference on Management(I-COM 2009) Organised by S K Patel Institute of Mgt and Computer Studies, Kadi Sarva Vidyalaya, Gandhinagar.
2009	Fog Screen- The Future Marketing Tool	R.B. Patel(2009). 2nd One Day National Conference on Emerging management Paradigms in Transforming Buisness World, organized by Nootan Sarva Vidyalaya Kelavani Mandal Sanchalit MBA College,Visnagar.

2009	Social Networking as a New trend in E-marketing	R.B.Patel (2009). 2nd One Day National Conference on Emerging management Paradigms in Transforming Buisness World, organized by Nootan Sarva Vidyalaya Kelavani Mandal Sanchalit MBA College,Visnagar.	
2009	Bluetooth-Wireless Technology Management	R.B.Patel (2009). National Conference-09 on Managing Technology for Organizational Excellence, organized by Faculty of Management Studies Swami Vivekanand Group of Institutes, Patiala. Jan-2009	

Publications

Year	Title	Reference	Publication Type
2018	Advance Programming using C language	R.B.Patel (2018). ISBN NO:978-93-5311-054-3.	Book
2013	Internet & Web designing	S.N. Chavda, R. Mehta, R.B. Patel(2013), ISBN No: 93-82512-29-5.	Book
2022	Recommending product based on customer review from e-commerce websites	B. Vora, R.B.Patel, M.B.Patel (2022). Gradiva Review Journal, 8(6).	Journal paper
2021	An Analytical Study & Implementation of Automatic Number Plate Recognition (ANPR) System: A Survey	A.K.Patel, R.B.Patel (2021), International Research Journal of Engineering and Technology (IRJET).	Journal paper
2021	A Comparative Study Of Various Authentication METHODS	R.B.Patel, M.B.Patel, T.V.Nakarani, P.A.Patel(2021). Gradiva Review Journal, 7(6).	Journal paper
2021	Practical Swarm Optimization Based Load Balancing Technique in Cloud Computing	T.V.Nakarani, R.B.Patel , I Sandi (2021). Gradiva Review Journal, 7(6).	Journal paper
2021	A Study of Data Analytics from Challenges of Data Management to Analysis of Data	M.B. Patel, J.N. Patel, R.B. Patel, T.V. Nakrani(2021). Gradiva Review Journal, 7(6).	Journal paper
2019	An algorithm for fingerprint minutiae extraction.	R. B.Patel , D.Hiran & J. M. Patel (2019). International Journal of Computer Sciences and Engineering, 7(6).	Journal paper

2019	Fingerprint image thinning by applying zhang suen algorithm on enhanced fingerprint image	Patel, R. B., Hiran, D., & Patel, J. M. (2019). International Journal of Computer Sciences and Engineering, 7(4).	Journal paper
2015	A Biometric: A Future of Security	R.B. Patel, R.D. Patel (2015). Journal of information, Knowledge and Research in computer Science and Applications	Journal paper
2015	Optimizing Biometric Techniques With Convention Separated Text Dependent and Text Independent Speaker Recognition System By Using GMM	R.B. Patel, R.D. Patel, H. Patel (2015). Journal of information, Knowledge and Research in computer Science and Applications	Journal paper
2015	A Study On Biometrics and Multimodality	R.B. Patel, J.M. Patel, M.B. Patel (2015). Journal of information, Knowledge and Research in computer Science and Applications	Journal paper
2015	Cloud Computing: State-Of-The-Art and Research Challenges	R.B. Patel, S.A. Pathan, P.A. Patel, Y.J. Patel (2015). Journal of information, Knowledge and Research in computer Science and Applications	Journal paper
2012	Components of Fingerprint Biometric System	R.B. Patel, M.B. Patel, A.R. Patel,International Journal Of Engineering Research & Technology (IJERT), 1(3).	Journal paper

Honors and Awards

Year	Title	Awarding Body
2019	Best Faculty Award	Sankalchand Patel University, Visnagar

Other Achievements

- Reviewer of a SN Computer Science, a Springer Nature Peer Review Journal.

Extension Activities

- Lecture Delivered on the Subject MS OFFICE at SANDHAN Live television Lecture Series from BISAG, Gandhinagar(KCG)
- Lecture Delivered on the Subject C Language at SANDHAN Live television Lecture Series from BISAG, Gandhinagar(KCG).