

Curriculum Vitae

Prof. (Dr.) CK Kumbharana

“Vraj Dham”, 48-C

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❖ Personal information

- (1) **Name** : Chandresh Karsanbhai Kumbharana
- (2) **Designation** : Professor and Head
- (3) **Gender** : Male
- (4) **Date of birth** : 18th October 1967
- (5) **Nationality** : Indian
- (6) **Work place** : Department of Computer Science
Saurashtra University
Rajkot – 360005
(0281) 2585232, 2587340
- (7) **Address** : “Vraj Dham”
48-C, Beh. Talenet Land School
Vimal Nagar,
Rajkot – 360005
- (8) **Languages known** : Gujarati, Hindi, English
- (9) **Experience** : 2nd December, 1991 onwards Department of
Computer Science, Saurashtra University,
Rajkot

(10) Educational Qualifications					
No.	Degree	Year	University	Marks	Subject
1	Ph.D. *	2008	Saurashtra University	-	Computer
2	MCA	1991	Sardar Patel University	60.10	Computer
3	B.Sc.	1987	Saurashtra University	70.71	Physics

* **Title of Thesis:** Speech pattern recognition for speech to text conversion.

❖ Orientation Programme and Refresher Courses	
Attended	
(1)	Orientation course conducted by academic staff college, Saurashtra University, Rajkot during 23-05-1994 to 18-06-1994.
(2)	Refresher course conducted by Academic staff college, Saurashtra University during 16-11-1998 to 06-12-1998.
(3)	Refresher course conducted by Department of Computer Science, Sardar Patel University. V.V. Nagar during 31-05-1999 to 19-06-1999.
(4)	Refresher course conducted by Department of Computer Science, Sardar Patel University. V.V. Nagar during 01-11-2000 to 21-11-2000.
(5)	Refresher Course (A pilot refresher course in IT specially conducted by UGC) conducted by Academic staff College, Goa University, Goa during 10-09-2003 to 30-09-2003 (Nominated by Vice chancellor, Saurashtra University, Rajkot)
(6)	Refresher course conducted by Academic Staff College, Himachal Pradesh University, Shimla during 16-08-2006 to 06-09-2006.
(7)	NEP Orientation & Sensitization Programme conducted by UGC: Malaviya Mission Teachers Training Center (MMTTC), Saurashtra University, Rajkot during 18-12-2023 to 28-12-2023
Resource Person	
•	Worked as a resource person in many orientation programmes and refreshers courses.
Coordinator	
•	Worked as a coordinator in Refresher course no 184 (08-03-2010 to 28-03-2010), organized by Academic Staff College, Saurashtra University, Rajkot.
•	Worked as a coordinator in Refresher course no 190 (07-03-2011 to 27-03-2011), organized by Academic Staff College, Saurashtra University, Rajkot.
•	Worked as a coordinator in Refresher course no 194 (12-03-2012 to 01-04-2012), organized by Academic Staff College, Saurashtra University, Rajkot.
•	Worked as a coordinator in Refresher course no 198 (11-03-2013 to 31-03-2013), organized by Academic Staff College, Saurashtra University, Rajkot.

❖ Ph.D. guide			
Srno	Name of university	No of students registered	No of students completed
1	Saurashtra University, Rajkot	6	11

❖ Ph.D. students guided				
Srno	Name	Thesis title	University	Viva Date
1	Hetal Thaker	Analysis and recognition of handwritten character and its patterns	Saurashtra University, Rajkot	23-02-2015
2	Miss Vithlani Purna J	A study of optical character pattern identified by the different OCR algorithm and generation of model for the elimination in deficiency in identifying the pattern of optical character	Saurashtra University, Rajkot	19-08-2015
3	Mr. Divyakant Meva	Study the issues and solutions of multimodal biometrics authentication system based on fingerprint and facial recognition with neural network approach	Saurashtra University, Rajkot	26-09-2015
4	Vimal Parmar	Analyzing the inputted text and recognizing the different text patterns for automatic evaluation of computerized test	Saurashtra University, Rajkot (01-01-2013, 5242)	15-12-2015
5	Mr. Kothari Jitendra J	Recognition of text pattern for text to speech conversion	Saurashtra University, Rajkot (01-01-2012, 4756)	31-12-2015
6	Mr. Bhavin Jasani	Analyzing search engine mechanism and developing a prototype for web crawling architectural model for effectiveness of search engine.	Saurashtra University, Rajkot (01-01-2011, 4300)	30-06-2016

7	Mr. Vaibhav Gandhi	Study and analyze existing cloud architectures and suggest suitable model for E-governance	Saurashtra University, Rajkot Reg. date 01-01-2011 4301	01-03-2018
8	Mr. Apurva Pandya	Image pattern recognition for designing and developing an algorithm for image compression	Saurashtra University, Rajkot Reg. date : 01-01-2011 4297	01-03-2018
9	Ranpara Ripal Dilipbhai	Design and Development of Contextual Information Retrieval algorithm using Ontology and Semantics	Saurashtra University, Rajkot Reg. date: 01-01-2018 18033	03-10-2020
10	Vaidya Krishna Dharmeshkumar	Analysis of advanced security in digital image steganography using substitution technique	Saurashtra University, Rajkot Reg Date: 26-12-2018 19002	16-01-2023
11	Shah Viral Kaushikbhai	Security concern by designing and developing algorithm for stegaography	Saurashtra University, Rajkot Reg Date: 01-01-2017 17158	06-02-2023

❖ Ph.D. students working				
Sr no	Name	Thesis title	University	Registration date & number
1	Gorvadiya Amit Chandreshbhai	Analysing various algorithms of character recognition to develop a model to recognise handwritten characters	Saurashtra University, Rajkot	01-01-2016 16005
2	Kargathara Afsana Asifbhai	Analyzing the Textual sentiments of Gujarati text and developing the algorithm to express it in text to sentimental speech	Saurashtra University, Rajkot	26-12-2018 19001
3	Goda Ronak	A design and development of a model to recognize the sign gesture for deaf and dumb people	Saurashtra University, Rajkot	01-01-2020 21066

4	Desani Gaurav	Design and development of a model for cyber crime control prevention and investigation to protect indian citizens	Saurashtra University, Rajkot	01-01-2020 21061
5	Daiya Ameer Kiritkumar	Design and development of a model to evaluate one line answer in Gujarati language	Saurashtra University, Rajkot	01-01-2023 23007
6	Moliya Rohit Kanjibhai	Design and development of a model to determine the correctness of a word in the Gujarati language	Saurashtra University, Rajkot	01-01-2023 23008
7	Bhogesara Madhuben Merubhai	Design and development of a visualisation model for E-commerce product consumption analysis using machine learning techniques	Saurashtra University, Rajkot	01-01-2024 24129

❖ NAAC Peer Team	
No.	Details
(1)	Appointed and worked as a member of peer team of NAAC for the college Shivajirao S Jondhle College of engineering and technology, asangao, Thane, Maharashtra (05,06-10-2018)
(2)	Appointed and worked as a member coordinator of peer team of NAAC for the college Swami Dayananda College of Arts and Science , Manjakkudi, Thiruvarur Dist, Tamil Nadu- 612610, (28,29-12-2022)
(3)	Appointed and worked as a member of peer team of NAAC for the Maharaja Ranjit Singh Punjab Technical University (MRSPTU) , Bathinda (15, 16, 17-03-2023)
(4)	Appointed and worked as a member coordinator of peer team of NAAC for the Badrinarayan Barwale Mahavidhyalay, Jalna (28, 29-08-2023)
(5)	Appointed and worked as a member coordinator of peer team of NAAC for The new Satara college of BCA, Pandharpur (27,28-03-2024)
(6)	Appointed and worked as a member coordinator of peer team of NAAC for The Smt. Maherbanu college of science and commerce, Akola (29,30-05-2024)
(7)	Appointed and worked as a member coordinator of peer team of NAAC for The Tilak Maharashtra Vidyapeeth (Deemed University), Pune (16, 17, 18-07-2024)
(8)	Appointed and worked as a member coordinator of peer team of NAAC for The Babu shobha ram government arts college, Alwar (04,05-09-2024)

❖ Member in Special body	
No.	Details
(1)	Appointed as a member of Board of Management in Saurashtra University, Rajkot from 05-02-2024 for 2.5 years.
(2)	Appointed as a dean of Faculty of Compute Science in Saurashtra University, Rajkot from 30-09-2024.
(3)	Appointed as a chairman of Board of Compute Science in Saurashtra University, Rajkot from 27-11-2024.

❖ Professional Membership	
No.	Details
(1)	Computer Society of India (Life member) Membership no : 10459
(2)	The Indian Science Congress Association (ISCA)
(3)	IETE – Member ship no. M – 218523 (Life member)

❖ Award	
No.	Details
(1)	

❖ Ph.D / M.Phil. Thesis evaluated and worked as referee				
Srno	Degree	Name	University	Thesis title
1	M.Phil	Shreya B Bhabsar (24-07-2010)	SP Uni., Vallabh vidya Nagar	Integrated packed for image processing
2	M.Phil	Monika B Patel (24-07-2010)	SP Uni., Vallabh vidya Nagar	Image and text watermarking
3	Ph.D.	Ateet Mehta (24-01-2011)	Verr Narmad Sought Gujarat University, Surat	Standardizing data structure for efficient processing, faster retrieval and effective management of biological data.
4	Ph.D.	Prashant Pravinvandra Pittalia (13-06-2011)	Bhavnagar Uni., Bhavnagar	-
5	Ph.D.	P. Srivaramangai	Mother teresa women's university	Enhancements to reputation based trust model for improved reliability in grid
6	Ph.D.	Jeegar A Trivedi (14-03-2013)	SP Uni., Vallabh Vidya Nagar	Design of Neuro-Fuzzy Advisory system using type 2 fuzzy logic
7	Ph.D.	Kunjil Bharatkumar Mankad	SP Uni., Vallabh Vidya Nagar	A genetic – fuzzy approach to measure multiple intelligence

8	Ph.D.	Mijalkumar Anilbhai Mistry (30-10-2013)	SP Uni., Vallabh Vidya Nagar	A methodical approach for communication & co-operation between agents using ontology for healthcare
9	Ph.D.	Miss Nehal P. Daulatjada (30-10-2013)	SP Uni., Vallabh Vidya Nagar	Domain specific ontology for student's information in academic institution
10	Ph.D.	Mr. Navneet Sharma	Suresh Gyan Vihar University, Jaipur	Analysis of vulnerability and security issues over auto teller machine transactions and design of a general security model
11	Ph.D.	Mr. Hardik Bhalchandra Pandit	SP Uni., Vallabh Vidya Nagar	Decision support system for healthcare on the basis of medical palmistry through digital image processing and analysis
12	Ph.D.	Mr. Gundigara Kalpesh Upendrabhai	Bhavnagar Uni., Bhavnagar	A survey, analysis and IT Tolls for knowledge acquisition and rehabilitation of disabled people
13	Ph.D.	Shailendrasinh Jadeja	Hemchandracharya North Gujarat University Patan	<i>Studying, modeling and prototyping adaptive e-learning system</i>
14	Ph.D.	Thaker Hetal (23-02-2015)	Saurashtra University, Rajkot	Analysis and recognition of handwritten character and its patterns
15	Ph.D.	P Nithya	Manonmaniam Sundaranar University, Tirunelveli	Discovery of web usage patterns from web logs using fuzzy clustering approach
16	Ph.D.	Gajendra Singh Rajawat	Mahatma Jyoti Rao Phoole University, Jaipur	An approach to design and analysis of e governance for the state of Rajasthan: Technology implementation and user centric view

17	Ph.D.	Mr. Divyakant Meva (26-09-2015)	Saurashtra University, Rajkot	Study the issues and solutions of multimodal biometrics authentication system based on fingerprint and facial recognition with neural network approach
18	Ph.D.	Miss Vithlani Purna J (19-08-2015)	Saurashtra University, Rajkot	A study of optical character pattern identified by the different OCR algorithm and generation of model for the elimination in deficiency in identifying the pattern of optical character
19	Ph.D.	Mr.Kirtan Prakashchandra Dave	Sardar Patel University, VV Nagar	Analysis and Integration of Biological Data for Metabolic Pathway Network Reconstruction by Computational System Biology Approach
20	Ph.D	Mr. Kothari Jitendra J	Saurashtra University, Rajkot	Recognition of text pattern for text to speech conversion
21	Ph.D	Vimal Parmar	Saurashtra University, Rajkot	Analyzing the inputted text and recognizing the different text patterns for automatic evaluation of computerized test
22	Ph.D.	Sheetal Rakangor	R K University, Rajkot	Development of computer-based intelligent system for drawing (to set) question paper
23	Ph.D.	Anubha Jain	The IIS University Gurukul Marg, SFS Mansarovar Jaipur.	Enhancing information access and retrieval techniques for a typical information architecture

24	Ph.D	Mr. Mukesh Kumar	Himachal Pradesh University, Shimla	Efficient mining of emerging patterns in time series stock data : A prediction model
25	Ph.D	Bhavin Jasani	Saurashtra University, Rajkot	Analyzing search engine mechanism and developing a prototype for web crawling architectural model for effectiveness of search engine.
26	Ph.D	K. Prabavathi	Manonmaniam Sundaranar University, Tirunelveli	Design and development of information retrieval system from biotext corpus
27	Ph.D.	Zulfa Shaikh	Banasthali university, Banasthali Vidyapith, Rajasthan.	Efficient secure multiparty computation during privacy preserving data mining: design of efficient protocols for Indian healthcare sector
28	Ph.D.	Mr. Jaimin N Undavia	Changa University, Changa	Data mining technique: Analysis and strategic decision support system for students to assist in their career
29	Ph.D.	Geetika Singh	Panjab University, Chandigarh	Development and performance analysis of human face recognition techniques
30	Ph.D.	V. Tanuja	Sri Venkateswara University, Tirupati	A study and design of novel trajectory data mining techniques with specific applications on business data to improve customer relationship management.
31	Ph.D.	Ms. Rupal Dineshchandra Bhatt	Sardar Patel University, VV Nagar	Load balancing and resource management daemons for performance analysis on computer clusters

32	Ph.D.	Mr. Nilaykumar Mohitkumar Vaidya	Sardar Patel University, VV Nagar	Design of an intelligent virtual collaborative learning environment
33	Ph.D.	Mr. L Satish kumar	Alagappa University, Karaikudi	Efficient information extraction for health care systems
34	Ph.D.	Mr. Bhavesh R Patel On	Ganpat University Mahesana	Data mining techniques for student performance enhancement
35	Ph.D.	Manisha Kaushal	Punjab technical university, jalandhar	On the soft computing based approached for object detection and tracking in videos
36	Ph.D.	Mr. Apurva K Pandya	Saurashtra University, Rajkot	Image pattern recognition for designing and developing an algorithm for image compression
37	Ph.D.	Mr. Vaibhav A Gandhi On	Saurashtra University, Rajkot	Study and analyse existing cloud architecture and suggest a suitable model for E-Governance
38	Ph.D.	Ms. Priyanka Mathur On	The IIS University Jaipur	An Evidence-based approach for discovery and assessment of software testing strategies
39	Ph.D.	Swapnil Dinubhai Patel On	SP University, VV Nagar	Designing and development of institute management system using mobile technologies
40	Ph.D.	Veenu Mor (24-09-2018)	<i>Panjab University, chandigarh</i>	Energy efficient routing model for wireless mesh networks

41	Ph.D.	Abu Sarwar Zamani On	<i>Specific University, Udaipur</i>	A research on transaction processing management in an online SOA based distributed system
42	Ph.D.	Md. Mobin Akhtar On	<i>Specific University, Udaipur</i>	A research study on analysis of online information system development
43	Ph.D.	Jyoti Rathore	Suresh Gyan Vihar University, Jaipur	Design and load balancing hybrid model (LBHM) for cloud environment
44	Ph.D.	P Alagesh Kannan	Manonmaniam Sundaranar University, Tirunelveli	Frequency patterns mining algorithms for large databases
45	Ph.D.	Mr. Maniyar Himanshu	C U Shah University	Student's Performance Predictor using Multi-Channel Classifier
46	Ph.D.	Sushil Kumar Narang	Panjab University, Chandigarh	Feature extraction and neural network classifiers for optical character recognition of printed and good quality handwritten Gurumukhi and Devnagari characters
47	Ph.D.	Mr. Ayush Sogani	The IIS University Jaipur	Design of fast authentication method for wireless sensor network
48	Ph.D.	Jay Bankimbhai Nanavati	RK UNIVERSITY	An event-based framework for object-oriented analysis, computation of metrics and identification of test cases
49	Ph.D.	Nilesh B Nanda	Gujarat Vidyapith, Ahmedabad	A hybrid approach for network based intrusion detection system with alert generation

50	Ph.D.	Mr. N Kanagaraj	Alagappa University, Karaikudi	Symmetric cryptographic framework for network security
51	Ph.D.	Mr. Rajesh Koolwal	Mahatma Jyoti Rao Phoole University, Jaipur	A study and analysis of the cyber crime and it's impact on the banking and social sector in India
52	Ph.D	Mr. Ronak K Panchal On	Calorx Teachers' University Ahmedabad	Developing alternate semantic web based partial AISHE system
53	Ph.D	Karthik Kambhampati	Acharya nagarjuna university Nagarjuna nagar guntur dist-522 510, a.p., india	User Authentication for Resource Allocation in Cloud Environment using Machine Learning Approach
54	Ph.D	Mr. K Premkumar	Manonmaniam Sundaranar University, Tirunelveli	Novel and intelligent routing schemes for minimizing sound pollution based on vehicle routing
55	Ph.D	Mr. Vimal A.Vaiwala	Indus University	Shadow extraction and elimination technology in high resolution satellite imagery of urban areas
56	Ph.D	Ms. Bhumika Bhatt	Gujarat University	An innovative framework for remote database experimentation
57	Ph.D	Mr. Putta Srinivasa Rao	Rayalaseema University	A study of comparative analysis of storage techniques using big data and data mining with Hadoop / python
58	Ph.D	Mr. Himanshu Sharma	School of computer & systems sciences, Jaipur National University, Jaipur	Design and analysis of phrase based statistical machine translation models for Hindi language

59	Ph.D	Ripal Dilipbhai Ranpara	Saurashtra university, Rajkot	Design and development of contextual information retrieval algorithm using ontology and semantics
60	Ph.D	Regita Thangam	Manonmaniam Sundaranar University, Tirunelveli	efficient algorithm to optimize query with multiple set predicates
61	Ph.D	V P Kulalvaimozhi	Manonmaniam Sundaranar University, Tirunelveli	Patch-wise lossless technique for image compression
62	Ph.D	Sanjay Kumar Sinha	Jaipur National University, Jaipur	Big data analytics for students success in higher education
63	Ph.D	Ezhil. P	University of Madras	Heuristic based search approach technique to identify the best set of optimization flags to enhance compiler performance
64	M.Phil	Tanna Niraj Rasiklal	C.U.Shah University, Wadhwan	A study of security management for industrial internet of things
65	M.Phil	Upadhyay Lata Virendrabhai	C.U.Shah University, Wadhwan	A comparative study of the selection of best classifier from big data analytics for health care with reference to breast cancer disease
66	Ph.D	Hina H Sony	C.U.Shah University, Wadhwan	Design and Development of Ontology for Improved Jobs and Skills Search using Semantic Technology
67	Ph.D	Neha Paliwal	Gyan Vihar University, Jaipur	Design an efficient E-Governance model through the cloud environment
68	Ph.D	Alamelu RM	Bharathidasan University, Tiruchirappalli, India	Augmenting network life time in wireless sensor networks using cluster based routing techniques

69	Ph.D	Krishan Kumar	Gyan Vihar University, Jaipur	Privacy protection in personalized web search
70	Ph.D	Ms Payal	Panjab University	Development of Object detection and classification techniques for low-altitude aerial images
71	Ph.D	Sejal K. Haveliwala	C.U.Shah University, Wadhwan	Investigations relating to performance improvement of Transmission Control Protocol using Dynamic Congestion Control in Mobile Adhoc Network
72	Ph.D	Pankti Purarinath Bhatt	Sardar Patel University	Real time automatic decision making for driving using sensor and neuro-fuzzy approach
73	Ph.D	Perumal Rani T	Manonmaniam Sundaranar University, Tirunelveli	An efficient deep learning algorithm for brain wave signal classification
74	Ph.D	Ms N Geetha	Alagappa University	Secure video transmission framework using symmetric encryption and meta-heuristic based optimal key generation
75	Ph.D	Rupinder Kaur	IIS (Deemed to be) University	Design and implementation of flower species recognition system based on optimized machine learning algorithm
76	Ph.D	Ms Ponkiya Partiben Vrundavanbhai	Parul University, Vadodara	Sentiment analysis on movie review in Gujarati language
77	Ph.D	Krishna Vaidya	Saurashtra University, Rajkot	Analysis of Advanced Security in Digital Image Steganography using Substitution Technique

78	Ph.D	Viral Shah	Saurashtra University, Rajkot	Security Concern by Designing and Developing algorithm for Steganography
79	Ph.D	Jai Gupta	Mahatma Jyoti Rao Phoole University	Implementation of distributed storage pool using glusterfs file system over encryption disk level storage to provide storage as a service security over cloud storage
80	Ph.D	Shikha Bhardwaj	Mahatma Jyoti Rao Phoole University	Study and Analysis of Data Mining Techniques in Health Care
81	Ph.D	Preethi M	Manonmaniam Sundaranar University, Tirunelveli	A spectral-spatial classification of Hyperspectral image using fusion technique
82	Ph.D	F. Ludyma Fernando	Manonmaniam Sundaranar University, Tirunelveli	Extending emotion recognition Valence cognizance
83	Ph.D	Sahaya Chithra	Manonmaniam Sundaranar University, Tirunelveli	Domain specific research article recommendation model using deep learning and cumulative approach
84	Ph.D	Bhargav R Vyas	Sardar Patel University, Vallbh Vidya Nagr	Intelligent suggestions for law based problems using hybrid fuzzy inference system
85	Ph.D	M. Ramesh	Alagappa University	Hybrid approach for sports video classification using key-frame extraction and optimization methods
86	Ph.D.	S Renuka	Bharathidasan University, Tiruchirappalli, India	Privacy preservation of healthcare data in block chain using bit scrambling algorithm
87	Ph.D.	Rajan S	Manonmaniam Sundaranar University, Tirunelveli	Modified security and privacy paradigm to data for cloud computing

88	PhD	Vyas Gargi Dipakbhai	The Charutar Vidya Mandal University, VV Nagar	Design of novel image fusion algorithm based on machine learning techniques
89	PhD	Parveen Banu S	Manonmaniam Sundaranar University, Tirunelveli	Automatic segmentation and classification of lung tumor using ct images based on novel classifier
90	PhD	Surbhi Kapoor	Punjab University, Chandigarh	Design and development of deep learning based System for human action recognition in aerial Videos
91	PhD	SNEHAL SHUKLA	GLS University, Ahmedabad	Analysis and Recognition of Modifiers of Gujarati Handwritten Characters
92	PhD	C Kaleeswari	Alagappa University, Karaikudi	Predictive analysis of water contamination and quality assessment status using sensor data
93	PhD	Poonam Mangwani	Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (MP)	A framework for dynamic testing of SaaS software in multitenant environment

❖ Projects					
Sr no	Name of investigator	Title of project	Funding agency	Grant received	Year & status
1	Dr. CK Kumbharana	Library information sharing with hand held device (i.e. mobile) by the users	Saurashtra University , Rajkot	40,000.00	2012-2014

❖ Research paper published in International Journals/Seminars/Workshop	
No.	Details
International journal	
1998-1999	
(1)	Title : ERP – Its impact and career opportunities Magazine : CSI Communication, FEB –1999 Author(s) : Dr. N N Jani, CK Kumbharana
1999-2000	
(2)	Title : E-Commerce: Security Concerns – A Systematic quest Journal name : Institute of Public Enterprise, Osmania University Campus, Hyderabad during 18-19/02/2000 (M/s Allied Publishers) Author(s) : CK Kumbharana, Dr NN Jani
2009-2010	
(3)	Title : Architectural design for computerized online test (Pg 485) Journal name : International Journal of Emerging Technologies and Applications in Engineering, Technology and Science (IJ-ETA-ETS) 2 nd issues – July 2009 Author(s) : Dr CK Kumbharana ISSN : 0974-3588
(4)	Title : A road map from G-learning to E-learning and impact of library on E-learning (Pg 487) Journal name : International Journal of Emerging Technologies and Applications in Engineering, Technology and Science (IJ-ETA-ETS) 2 nd issues – July 2009 Author(s) : Dr CK Kumbharana ISSN : 0974-3588
(5)	Title : Speech Processing – An Overview (Pg 40) Magazine : Prayas (Vol.-1) (Vardhman Bharti Trust, CU Shah College of Master of Computer Application, Surendra nagar) Author(s) : Dr. CK Kumbharana
2010-2011	
(6)	Title : Proxy server optimization: web usage data mining approach (Pg 127) Journal name : Journal of Science volume – 1. Published by Commissionerate of Higher Education Knowledge Consortium of Gujarat, University Granth Nirman Board, Govt. of Gujarat Author(s) : Nayan V Jobanputra, Dr CK Kumbharana
2011-2012	
(7)	Title : The Study of Adoption of Neural Network Approach in Fingerprint Recognition Journal name : International Journal of Computer Application (IJCA) (Volume – 40, No.-11, February 2012) Author(s) : Divyakant T Meva, Dr. CK Kumbharana, Amit D Kothari ISBN : 978-93-80866-51-5 DOI : 10.5120/5007-7326
2012-2013	

(8)	<p>Title : Perceptual study of behavioral implication of usage of ICT for sustainable e-Governance in Rural India (Pg 179)</p> <p>Journal name : International Journal of Scientific and Research Publication (Volume 2, Issue 4) April 2012 Edition (ISSN 2250-3153)</p> <p>Author(s) : Alpana Upadhyay, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(9)	<p>Title : Development of knowledge based framework for agriculture sector: a step towards sustainable e-governance in rural India (pg. 80)</p> <p>Journal name : International journal of research in computer application and management Volume no – 3 Issue no. – 2, February - 2013</p> <p>Author(s) : Alpana Upadhyay, Dr. CK Kumbharana</p> <p>ISSN : 2231-1009</p>
(10)	<p>Title : Comparative Study of Different Fusion Techniques in Multimodal Biometric Authentication</p> <p>Journal name : <i>International Journal of Computer Applications (IJCA) (0975 – 8887) Volume 66– No.19, March 2013</i></p> <p>Authors : Divyakant T Meva, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80873-79-1</p> <p>DOI : 10.5120/11192-6323</p>
(11)	<p>Title : Study of Different Off-line Handwritten Character Recognition Algorithms for Various Indian Scripts (0975 – 8887)</p> <p>Journal name : <i>International Journal of Computer Applications (IJCA) (0975 – 8887) Volume 65– No.16, March 2013</i></p> <p>Authors : Hetal Thaker, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80873-56-7</p> <p>DOI : 10.5120/11008-6330</p>
(12)	<p>Title : Surfacing comprehensive Knowledge Management Framework for strengthening sustainable e-Governance with respect to various sectors of Rural India</p> <p>Comparative knowledge management framework for strengthening sustainable e-Governance : various sectors of rural India</p> <p>Journal name : Productivity (A journal by National productivity council (under ministry of commerce and industry, Govt. of India) Vol. 53 No. 3, February – 2012)</p> <p>ISSN : 0032-9924</p> <p>Author(s) : Alpana Upadhyay, Dr. CK Kumbharana</p>
(13)	<p>Title : Modeling Campus VLAN using OPNET Simulation</p> <p>Journal name : Journal of Mobile Computing, Communications & Mobile Networks Volume 1, Issue 1</p> <p>Author(s) : Nayan V Jobanputra, Ashvini D Joshi, Chandresh K Kumbharana, Nikesh A Shah</p>
2013-2014	
(14)	<p>Title : Future Aspects of Biometrics in the Era of Cloud Computing</p> <p>Journal name : CIIT - International journal by Coimbatore Institute of Information Technology Manuscript no is CIIT-IJ-5016 February - 2014</p> <p>Author(s) : Divyakant T Meva, Dr. CK Kumbharana</p>

2014-2015	
(15)	<p>Title : Study of different Trends and Techniques in Face Recognition</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 96– No.8, June 2014</p> <p>Authors : Divyakant T Meva, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80882-28-3</p> <p>DOI : 10.5120/16811-6548</p>
(16)	<p>Title : Study and Analysis of various preprocessing approaches to enhance Offline Handwritten Gujarati Numerals for feature extraction</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 4, Issue 7, July 2014 (ISSN 2250-3153)</p> <p>Author(s) : Hetal Thaker, Dr. CK K Kumbharana</p> <p>ISSN : 2250-3153</p>
(17)	<p>Title : Designing and developing a model for converting image formats using Java API for comparative study of different image formats</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 4, Issue 7, July 2014 (ISSN 2250-3153)</p> <p>Author(s) : Apurav Pandya, Dr. CK K Kumbharana</p> <p>ISSN : 2250-3153</p>
(18)	<p>Title : Preprocessing and Segregating Offline Gujarati Handwritten Datasheet for Character Recognition</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 97/Number 18</p> <p>Authors : Hetal Thaker, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80882-78-3</p> <p>DOI : 10.5120/17110-7777</p>
(19)	<p>Title : Study Existing Various Phonetic Algorithms and Designing and Development of a working model for the New Developed Algorithm and Comparison by implementing it with Existing Algorithm(s)</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 98– No.19, July 2014</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80883-19-1</p> <p>DOI : 10.5120/17295-7795</p>
(20)	<p>Title : Structural Feature Extraction to recognize some of the Offline isolated Handwritten Gujarati Characters using Decision Tree Classifier</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 99/Number 15, August 2014</p> <p>Authors : Hetal Thaker, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80883-30-8</p> <p>DOI : 10.5120/17452-8381</p>

(21)	<p>Title : Analysis of structural features and classification of Gujarati consonants for offline character recognition</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 4, Issue 8, August 2014</p> <p>Authors : Hetal Thaker, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(22)	<p>Title : Optimization of energy usage for computer systems by effective implementation of green computing</p> <p>Journal name : International Journal of Advanced networking and applications (Special Issue) November – 2014 (pg 87-90)</p> <p>Authors : Vimal Parmar, Apurva Pandya, Dr. CK Kumbharana</p> <p>ISSN : 0975-0290</p>
(23)	<p>Title : Issues and challenges of security in cloud computing environment</p> <p>Journal name : International Journal of Advanced networking and applications (Special Issue) November – 2014 (pg 108-111)</p> <p>Authors : Divyakant Meva, Dr. CK Kumbharana</p> <p>ISSN : 0975-0290</p>
(24)	<p>Title : Comparative study of Amazon EC2 and Microsoft Azure cloud architecture</p> <p>Journal name : International Journal of Advanced networking and applications (Special Issue) November – 2014 (pg 117-123)</p> <p>Authors : Vaibhav A Gandhi, Dr. CK Kumbharana</p> <p>ISSN : 0975-0290</p>
(25)	<p>Title : Analyzing Different Web Crawling Methods.</p> <p>Journal name : International Journal of Computer Applications (0975 – 8887) 107(5): Volume 107 number 5, 23-26, December 2014</p> <p>Authors : Bhavin M Jasani, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80884-18-8</p> <p>DOI : 10.5120/18747-0000</p>
(26)	<p>Title : Determining the character replacement rules and implementing them for phonetic identification of given words to identify similar pronunciation words</p> <p>Host name : 1st international conference on Futuristic Trends in Computational analysis and knowledge management held at Amity University, Greater Noida Campus, Delhi during 25,26,27 February 2015</p> <p>Author(s) : Vimal Parmar, Dr. CK Kumbharana</p> <p>Publication : IEEE conference publications Page 272-277 Site: http://ieeexplore.ieee.org/</p> <p>DOI : 10.1109/ABLAZE.2015.7155010</p>
(27)	<p>Title : A Study of Optical Character Patterns identified by the different OCR Algorithms</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 5, Issue 3, March 2015</p> <p>Authors : Purna Vithlani, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
2015-2016	

(28)	<p>Title : Design and evaluation of multimodal biometric system with fingerprint and face recognition</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 5, Issue 4, April 2015</p> <p>Authors : Divyakant Meva, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(29)	<p>Title : Identification of Best Suitable Samples for Training Database for Face Recognition using Principal Component Analysis with Eigenface Method</p> <p>Journal name : International Journal of Computer Applications (0975 – 8887) Volume 115 – No. 12, April 2015 1</p> <p>Authors : Divyakant Meva, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80886-03-4</p> <p>DOI : 10.5120/20206-2463</p>
(30)	<p>Title : Comparative Study of Character Recognition Tools</p> <p>Journal name : International Journal of Computer Applications (0975 – 8887) Volume 118 – Number 9, May 2015</p> <p>Authors : Purna Vithalani, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80886-78-2</p> <p>DOI : 10.5120/20774-3274</p>
(31)	<p>Title : A Phonetic Study for Constructing a Database of Gujarati Characters for Speech Synthesis of Gujarati text</p> <p>Journal name : International Journal of Computer Applications (0975 – 8887) Volume 117 – Number 19, May 2015</p> <p>Authors : JJ Kothari, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80886-63-5</p> <p>DOI : 10.5120/20660-3311</p>
(32)	<p>Title : Structural and Statistical Feature Extraction Methods for Character and Digit Recognition</p> <p>Journal name : International Journal of Computer Applications (0975 – 8887) Volume 120 – Number 24, June - 2015</p> <p>Authors : Purna Vithalani, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80887-63-9</p> <p>DOI : 10.5120/21413-4451</p>
(33)	<p>Title : Restructuring robots.txt for better Information Retrieval</p> <p>Journal name : International Journal of Computer Applications (0975 – 8887) Volume 120 – Number 9, June - 2015</p> <p>Authors : Bhavin M Jasani, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80887-48-1</p> <p>DOI : 0.5120/21258-4115</p>
(34)	<p>Title : Designing, development and implementation of Text to Speech algorithm for Gujarati text using concatenative methodology</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 5, Issue 9, September 2015 (2250-3153)</p> <p>Authors : JJ Kothari, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>

(35)	<p>Title : Designing and Implementation of Neural Network Architecture Using Phonetic Identification Algorithms for Obtaining Performance Improvement of Recognizing English Homophone Words</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 5, Issue 9, September - 2015 (2250-3153)</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(36)	<p>Title : Comparing Linear Search and Binary Search Algorithm to Search an Element from a Linear List Implemented through Static Array Dynamic Array and Linked List (July - 2015)</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 121– No.3, July 2015</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80887-79-5</p> <p>DOI : 10.5120/21519-4495</p>
(37)	<p>Title : Enhancement of Online Computerized Examination by Incorporating Artificial Intelligence to One Word Answer Questions Along with Multiple Choice Questions</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 132– No.17, December 2015</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80890-62-5</p> <p>DOI : 10.5120/ijca2015907705</p>
(38)	<p>Title : Construction of Semantic Map of Homophones for Achieving Desired Performance for Searching Homophones for a Given English Word from a Large Database English Words</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 132– No.16, December 2015</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80890-61-8</p> <p>DOI : 10.5120/ijca2015907702</p>
(39)	<p>Title : Designing and development of teacher module for online computerized examination having one word answer questions and validating the answer by use of phonetic algorithm</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 5, Issue 12, December 2015 (2250-3153)</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(40)	<p>Title : Improvement of searching process Homophone family words for a given English word from the constructed semantic network map of homophones</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 5, Issue 12, December - 2015 (2250-3153)</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>

(41)	<p>Title : Analysis, Implementation, Comparison and Evaluation of different Logical Techniques of Solving the Same Computing Problem</p> <p>Journal name : International Journal of Computer Applications (IJCA)(0975 – 8887) Volume 134– No.16, January 2016</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISBN : 973-93-80890-98-2</p> <p>DOI : 10.5120/ijca2016908217</p>
(42)	<p>Title : Implementation of Neural Network Approach Integrated With Phonetic Identification Algorithms for Correcting and Suggesting English Spelled Word</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 6, Issue 1, January - 2016 (2250-3153)</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(43)	<p>Title : Analysis Of Different Techniques, Applying Concept And Implementation Of Technology To Build Environment Friendly Green University</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 6, Issue 3, March - 2016 (2250-3153)</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(44)	<p>Title : Analysis Of Different Examination Patterns Having Question Answer Formulation, Evaluation Techniques And Comparison Of MCQ Type With One Word Answer For Automated Online Examination</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 6, Issue 3, March - 2016 (2250-3153)</p> <p>Authors : Vimal Parmar, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
2016-2017	
(45)	<p>Title : E governance in Local Bodies in India</p> <p>Journal name : <i>International Journal of Scientific and Research Publications(IJSRP), Volume - 7, Issue -2, February 2017</i></p> <p>Authors : Vaibhav Gandhi, Dr. CK Kumbharana</p> <p>ISSN : 2250-3153</p>
2017-2018	
(46)	<p>Title : E governance for Regional Transport Offices in India</p> <p>Journal name : <i>International Journal of Scientific and Research Publications (IJSRP), Volume - 7, Issue - 7, (July 2017)</i></p> <p>Authors : Vaibhav Gandhi, Prof (Dr) CK Kumbharana</p> <p>ISSN : 2250-3153</p>
(47)	<p>Title : Analyzing the Bitmap Image File and Extracting Different Bit Patterns for Compressing the Image File using Distinct Colour Codes</p> <p>Journal name : IJCA (December-2017) <i>Volume 180 – No.5</i></p> <p>Authors : Apurv K. Pandya, Prof (Dr) CK Kumbharana</p> <p>ISSN : 0975 – 8887</p>

(48)	<p>Title : Analysing compressed AKP file with BMP and TIFF format by considering number of colors of the image</p> <p>Journal name : International Journal of Scientific and Research Publications, Volume 7, Issue 12 (IJSRP) (December-2017)</p> <p>Authors : Apurv K. Pandya, Prof (Dr) CK Kumbharana</p> <p>ISSN : ISSN 2250-3153</p>
(49)	<p>Title : A Comparative Study of Cryptographic Algorithms for Cloud Security</p> <p>Journal name : Springer (Feb-2018)</p> <p>Authors : Asifkhan Yusufzai, Ripal Ranpara, Prof (Dr) CK Kumbharana</p> <p>ISSN : 2194-5357</p>
(50)	<p>Title : A Comparative Study of Ontology Building Tools for Contextual Information Retrieval</p> <p>Journal name : Springer (Feb-2018)</p> <p>Authors : Ripal Ranpara, Asifkhan Yusufzai, Prof (Dr) CK Kumbharana</p> <p>ISSN : 2194-5357</p>
(51)	<p>Title : Comparative Study of Various Applications using Steganography and Cryptography</p> <p>Host name : Proceedings of the 12th INDIACom; INDIACom-2018; IEEE Conference ID: 42835 2018 5th International Conference on “Computing for Sustainable Global Development”, 14th - 16th March, 2018 Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA) (March 2018)</p> <p>Author(s) : Viral Shah, Prof (Dr) CK Kumbharana</p> <p>Publication : IEEE conference publications conf id 42835</p>
2018-19	
(52)	<p>Title : Studying and Comparative analysis of the mapping methods for Ontology binding to identify the challenges for mapping ontology object</p> <p>Journal name : IJRAR (Feb-2019), Volume 6, Issue 1</p> <p>Authors : Ripal Ranpara, Prof (Dr) CK Kumbharana</p> <p>ISSN : 2348-1269, E-ISSN 2348-1269, P-ISSN 2349-5138</p>
(53)	<p>Title : Analysis of Variuos Algorithms for Data Hiding Using Image Steganography</p> <p>Journal name : international journal of research And analytical reviews IJRAR (Feb-2019)</p> <p>Authors : Viral Shah, Prof (Dr) CK Kumbharana</p> <p>ISSN : impact Factor 5.75 ,E-ISSN 2348-1269, P-ISSN 239-5138</p> <p>DOI : http://doi.one/10.1729/Journal.19788</p>
(54)	<p>Title : Study of Different Image Steganography Techniques to Transfer Secret Data Securely</p> <p>Journal name : International Journal of Research in Advent Technology, Sepcial Issue (March-2019)</p> <p>Authors : Viral Shah, Prof (Dr) CK Kumbharana</p> <p>ISSN : 2321-9637</p>

(55)	Title : A novel approach for Contextual Information Retrieval by dynamically mapping of Ontology Journal name : International journal of research and analytical reviews (IJRAR) (March-2019) Authors : Ripal Ranpara, Prof (Dr) CK Kumbharana ISSN : E-ISSN 2348-1269, P- ISSN 2349-5138 Impact factor: 5.75
2019-2020	
(56)	Title : Design, development and implementation of an image steganography algorithm for encrypted (using AES) and non encrypted text into an image Host name : FICR-TEAS, Jaipur (International conference at IIS Jaipur during Jan - 2020) Author(s) : Viral Shah, Prof (Dr) CK Kumbharana Publication : Springer publication ("Advances in Intelligent Systems and Computing"Volume 1187 ISBN : 978-981-15-6014-9)
(57)	Title : Classification of Image steganography in Substitution Technique Host name : FICR-TEAS, Jaipur (International conference at IIS Jaipur during Jan - 2020) Author(s) : Krishna Vaidya, Afsana Kargathara Prof (Dr) CK Kumbharana Publication : Springer publication ("Advances in Intelligent Systems and Computing"Volume 1187 ISBN : 978-981-15-6014-9)
(58)	Title : Analyzing Desktop and Mobile Application for Text to Speech Conversation Host name : FICR-TEAS, Jaipur (International conference at IIS Jaipur during Jan - 2020) Author(s) : Afsana Kargathara, Krishna Vaidya, Prof (Dr) CK Kumbharana Publication : Springer publication ("Advances in Intelligent Systems and Computing"Volume 1187 ISBN: 978-981-15-6014-9)
(59)	Title : Contextual Information retrieval search engine challenges Host name : FICR-TEAS, Jaipur (International conference at IIS Jaipur during Jan - 2020) Author(s) : Ranpara Ripal, Prof (Dr) CK Kumbharana Publication : Springer publication ("Advances in Intelligent Systems and Computing"Volume 1187 ISBN : 978-981-15-6014-9)
(60)	Title : Challenges and Issues in the Existing methodology for Dynamic data capturing of Ontology Host name : FICR-TEAS, Jaipur (International conference at IIS Jaipur during Jan - 2020) Author(s) : Ranpara Ripal, Prof (Dr) CK Kumbharana Publication : Springer publication ("Advances in Intelligent Systems and Computing"Volume 1187 ISBN : 978-981-15-6014-9)
2020-2021	

(61)	<p>Title : Pixel Value Differencing of Image Steganography in substitution Technique : A Survey</p> <p>Host name : Machine Intelligence and Data Science Applications (MIDAS-2020), in association with Next Generation Computing Technology (NGCT) Society held on 4th-5th September 2020 at University of Petroleum and Energy Studies, Dehradun, Uttarakhand, INDIA</p> <p>Author(s) : Krishna Vaidya, Afsana Kargathara , Prof (Dr) CK Kumbharana</p> <p>Publication : Springer publication ISSN 2730-6437 ISSN 2730-6445 (electronic) Studies in Autonomic, Data-driven and Industrial Computing</p> <p>ISBN : 978-981-15-9872-2 ISBN 978-981-15-9873-9 (eBook) https://doi.org/10.1007/978-981-15-9873-9</p>
2021-2022	
(62)	<p>Title : An Analysis of Different Image Formats for Steganography</p> <p>Journal name : Journal of emerging technologies and innovative research (JETIR), an international open access journal, peer reviewed, referred journal, volume 8 issue- 10 (www.jetir.org) ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor, (October – 2021)</p> <p>Authors : Krishna Vaidya, Prof (Dr) CK Kumbharana</p> <p>ISSN : ISSN : 2349-5162, Impact factor: 7.95</p>
(63)	<p>Title : Eight- Directional PVD and MLSB in Image Steganography</p> <p>Journal name : International journal of all research education & scientific methods (IJARESM), Volume 10 , Issue-2, An ISO & UGC Certified Peer-Reviewed Multi-disciplinary Journal UGC Approved (www.ijaresm.com) (February – 2022)</p> <p>Authors : Krishna Vaidya, Prof (Dr) CK Kumbharana</p> <p>ISSN : ISSN : 2455-6211, Impact factor: 7.429</p>
(64)	<p>Title : The Reviewed Study of Various Techniques to Control and Defeat Cybercrime</p> <p>Journal name : International journal of scientific & Research publication (IJSRP), Volume 11, Issue-3, (www.ijsrp.com) (March-2022)</p> <p>Authors : Mr. Deshani Gaurav, Mr Goda Ronak, Prof. Dr CK Kumbharana</p> <p>ISSN : ISSN : 2250-3153</p>
2023-2024	
(65)	<p>Title : A high-performance algorithm and tool for detecting critical vulnerabilities</p> <p>Journal name : International Journal of Research and Analytical Reviews (IJRAR), Volume 10 Issue 3 (August-2023), UGC Approved (Journal No : 43602)</p> <p>Authors : Mr. Deshani Gaurav, Mr Goda Ronak, Prof. Dr CK Kumbharana</p> <p>ISSN : ISSN : 2348-1269 P-ISSN: 2349-5138</p> <p>Impact factor : 7.17</p>

(66)	<p>Title : Strengthening cybercrime control and investigation protocols for safe Guarding Indian citizens</p> <p>Journal name : International Journal of Research and Analytical Reviews (IJRAR), Volume 10 Issue 4 (December-2023), UGC Approved (Journal No : 43602) www.ijrar.org</p> <p>Authors : Mr. Deshani Gaurav, Mr Goda Ronak, Prof. Dr CK Kumbharana</p> <p>ISSN : ISSN : 2348-1269 P-ISSN: 2349-5138</p> <p>Impact factor : 7.17</p>
(67)	<p>Title : Computation of Automatic Evaluation using NLP based System</p> <p>Host name : International Conference on Computational Modeling and Sustainable Energy (ICCMSE2023), December 15-17, 2023, Pandit Deendayal Energy University, Gandhinagar Gujarat, Bharat.</p> <p>Author(s) : Ameer K Daiya, Siddharth Joshi, Prof. Dr CK Kumbharana</p> <p>Publication : https://link.springer.com/book/9789819767939</p>
(68)	<p>Title : An Advanced Algorithm and Utility for Identifying Critical Web Vulnerabilities with Exceptional Performance</p> <p>Host name : UNI-TEAS (Universal Threats in Expert Applications and Solutions), Jaipur (Third International conference at Shri KKarni Universe college, Jaipur during 06,07-01-2024)</p> <p>Author(s) : Mr. Deshani Gaurav, Mr Goda Ronak, Prof. Dr CK Kumbharana</p> <p>Publication : Universal Threats in Expert Applications and Solutions Proceedings of 3rd UNI-TEAS 2024, Volume 1</p> <p>ISSN : ISSN 2367-3370 ISSN 2367-3389 (electronic) Lecture Notes in Networks and Systems ISBN 978-981-97-3809-0 ISBN 978-981-97-3810-6 (eBook)</p> <p>DOI : https://doi.org/10.1007/978-981-97-3810-6_1</p>
(69)	<p>Title : A Comparative Study of Globally Popular Sign Language Recognition System</p> <p>Host name : UNI-TEAS (Universal Threats in Expert Applications and Solutions), Jaipur (Third International conference at Shri KKarni Universe college, Jaipur during 06,07-01-2024)</p> <p>Author(s) : Mr Goda Ronak, Mr. Deshani Gaurav, Prof. Dr CK Kumbharana</p> <p>Publication : Universal Threats in Expert Applications and Solutions Proceedings of 3rd UNI-TEAS 2024, Volume 2</p> <p>ISSN : ISSN 2367-3370 ISSN 2367-3389 (electronic) Lecture Notes in Networks and Systems ISBN 978-981-97-5145-7 ISBN 978-981-97-5146-4 (eBook)</p> <p>DOI : https://doi.org/10.1007/978-981-97-5146-4_35</p>

(70)	<p>Title : A Fundamental Study of Natural Language processing Approaches</p> <p>Host name : UNI-TEAS (Universal Threats in Expert Applications and Solutions), Jaipur (Third International conference at Shri KKarni Universe college, Jaipur during 06,07-01-2024)</p> <p>Author(s) : Ameer K Daiya, Prof. Dr CK Kumbharana</p> <p>Publication : Universal Threats in Expert Applications and Solutions Proceedings of 3rd UNI-TEAS 2024, Volume 2</p> <p>ISSN : ISSN 2367-3370 ISSN 2367-3389 (electronic) Lecture Notes in Networks and Systems ISBN 978-981-97-5145-7 ISBN 978-981-97-5146-4 (eBook)</p> <p>DOI : https://doi.org/10.1007/978-981-97-5146-4_36</p>
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❖ Research paper publications in seminar / conference	
No.	Details
State/regional level	
1999-2000	
(1)	Title : Outline of curriculum design Host name : Department of Computer Science, Saurashtra University, Rajkot, during 24/25/01/1999 Author(s) : PV Jobanputra, CK Kumbharana, KH Atkotia
(2)	Title : InfoTech threaded Commerce Education Host name : PDM College, Rajkot, during 29/30/01/2000 Author(s) : NN Jani, CK Kumbharana
(3)	Title : Futuristic database in digital economy Environment Host name : A K Doshi Mahila College, Jamnagar, during 06/02/2000 Author(s) : Dr NN Jani, CK Kumbharana
(4)	Title : Computer sahit adhyayan sanrachna ane asarkarakta Host name : Sikshan sashtra Bhavan, Saurashtra University, Rajkot during 28-29-30/03/2000. Author(s) : Leena kariya, CK Kumbharana, Anil Ambasana
2003-2004	
(5)	Title : Utilization of Ms PowerPoint Presentation for Teaching about Multi colored Fins to Kids Host name : Organized by XVIII Gujarat Science Congress at Saurashtra University, Rajkot during 13-03-2004 Author(s) : CK Kumbharana, Dr. Anil Ambasana
National level	
2000-2001	
(1)	Title : Multimodel Bio-Metric System for identifying individual's Identify Host name : Department of Computer Science, & Department of Statistic during 24-25-26/11/2001 Author(s) : CK Kumbharana, Dr NN Jani
(2)	Title : 10 Gigabit Ethernet & applications Host name : Department of Computer Science, & Department of Statistic during 24-25-26/11/2001 Author(s) : AM Gosai, CK Kumbharana
2001-2002	
(3)	Title : Contribution of Speech Processing Technology in E-Dialogue system Host name : Department of Computer Science and Amogsiddhi Education society, Sangli during 23-24-25/03/2002 Author(s) : CK Kumbharana, Dr NN Jani Achievement : Secured first rank in the paper competition
2003-2004	
(4)	Title : WAP – The NET going wireless Host name : Department of Computer Science, Saurashtra University Rajkot during 11,12,13-07-2003 Author(s) : CK Kumbharana, Dr NN Jani, AM Gonsai

(5)	Title : Performance tuned network management Host name : Department of Computer Science, Saurashtra University Rajkot during 11,12,13-07-2003 Author(s) : AM Gonsai, Dr NN Jani, CK Kumbharana
(6)	Title : Speaker dependent Vs Speaker independent – a comparative study in speech processing Host name : Department of Computer Science, Saurashtra University, Rajkot during 25,26-02-2004 Author(s) : CK Kumbharana, NN Jani
2004-2005	
(7)	Title : OOP and real life – A comparative thought Host name : National conference on Computer Science and Informatics (NCCSI-2005) organized by Dept of computer science, St. Joseph's College (Autonomus) Tiruchirapalli during 18,19-02-2005. Author(s) : CK Kumbharana, AM Gonsai, NN Jani
2015-2016	
(8)	Title : Host name : National Seminar jointly organized by IQAC, Saurashtra University, Rajkot and Siksha Sanskriti Utthan Nyas, New Delhi on Education Commissions recommendations and its executions in independent BHARAT during 18-06-2015. Author(s) : Vimal Parmar, Dr. CK Kumbharana
International level	
2003-2004	
(1)	Title : Speech Dictation : Speech Processing in Education Host name : Department of Education, Saurashtra University, Rajkot during 10,11 & 12-01-2004 Author(s) : CK Kumbharana, Dr AD Ambasana, Dr NN Jani
2004-2005	
(2)	Title : “Network Traffic Monitoring & Performance Tuning Through Open Source Tools – A Comparative Study Host name : ICET 2004 (International Conference on emerging Technology) Organized by Kalinga Institute of “Industrial Technology, Bhuvneshwar during 22-24 Dec. 2004. Author(s) : AM Gonsai, NN Jani & CK Kumbharana
2005-2006	
(3)	Title : Feature extraction modeling setup for automatic speech recognition Host name : MERG05 International conference on current trends of information technology (Pre conference symposium & in international conference during 04,05,06-march-2005) during 01,02,03-Oct-2005 Author(s) : CK Kumbharana, NN Jani Achievement : Stood first in the paper competition (pre conference)

(4)	<p>Title : Online test project</p> <p>Host name : MERG05 International conference on current trends of information technology (Pre conference symposium) during 04,05,06-march-2005 (Final conference was during 1,2,3-Oct-2005)</p> <p>Author(s) : Umesh chauhan, Tanna Haripriys, Kothari Astha and CK Kumbharana</p> <p>Achievement : Stood second in the competition (Pre conference symposium)</p>
(5)	<p>Title : Model design of OCX with its working pattern</p> <p>Host name : MERG05 International conference on current trends of information technology during 01,02,03-Oct-2005</p> <p>Author(s) : Umesh chauhan, Tanna Haripriya, Astha Kothari and CK Kumbharana</p>
(6)	<p>Title : Paper on Computerized Software on Scoring and Analyzing Test Item Responses</p> <p>Host name : EDUCON 2005 international conference on GATS & Education held at Department of education & community service, Punjabi university, Patiala, Punjab during 28,29,30-December 2005</p> <p>Author(s) : CK Kumbharana & Dr AD Ambasana</p>
(7)	<p>Title : Attitude Towards Professionalism Of University Teachers</p> <p>Host name : EDUCON 2005 international conference on GATS & Education held at Department of education & community service, Punjabi university, Patiala, Punjab during 28,29,30-December 2005</p> <p>Author(s) : CK Kumbharana & Dr AD Ambasana</p>
2006-2007	
(8)	<p>Title : Word Processing: A basic skill for teachers</p> <p>Host name : International National Conference on Innovative Practicum in teacher education held at Dev Samaj College of Education, Chandigarh. During 14,15,16-12-2006</p> <p>Author(s) : CK Kumbharana, Dr Anil Ambasana</p>
2016-2017	
(9)	<p>Title : Classifying Challenges of E-Governance implementation in India</p> <p>Host name : International Conference on Research & Entrepreneurship, Rajkot, January 2016 (ICRE2016), ISBN: 978-93-5254-061-7.</p> <p>Author(s) : Vaibhav Gandhi, Dr. CK Kumbharana</p>

❖ Books publications	
No.	Details
(1)	Title : Exploring Windows Environments (Publishjed by Saurashtra University with UGC unassigned publication grant) (1998) Author(s) : CK Kumbharana, Dr NN Jani, SR Dwivedi
(2)	Title : Networking Information Technologies (Publishjed by Saurashtra University with UGC unassigned publication grant) (1999 1 st edition, 2 nd edition 2001) Author(s) : Dr. N N Jani, C K Kumbharana
(3)	Title : Emerging Information Technologies (Publishjed by Saurashtra University with UGC unassigned publication grant) (2000) Author(s) : Dr. N N Jani, C K Kumbharana
(4)	Title : Computer Oriented Numerical Methods (CONM) – A Practical approach using c. (Published by Saurashtra University, Rajkot) (2003-2004) Author(s) : CK Kumbharana, Dr. NN Jani
(5)	Title : Mathematical Fundamentals and Graph Theory (Published by Saurashtra University with UGC unassigned publication grant) (2005-2006) Author(s) : CK Kumbharana, Dr NN Jani
(6)	Title : C++ An Object Oriented Programming Language (Published by Nirav prakashan) (2011-2012) Author(s) : Dr. CK Kumbharana, Sheetal C Rakangor ISBN No : 978-93-81060-84-1
(7)	Title : Spark – published by UGC Academic Staff College, Saurashtra University, Rajkot (2011-2012) (It is a contributory book published by the UGC, Academic Staff College, Edited by Dr. CK Kumbharana) Editor : Dr. CK Kumbharana ISBN No : 978-81-923069-3-3
(8)	Title : Fundamentals of Cyber Security By Bharat & Company (2024) Author(s) : Mr. Gaurav Deshani, Dr. CK Kumbharana ISBN No : 978-93-90855-87-2

❖ Chapter published in book	
No.	Details
2011-2012	
(1)	<p>Chapter : Spreadsheet fundamentals and analyzing the data in spreadsheet</p> <p>Title : Spark – published by UGC Academic Staff College, Saurashtra University, Rajkot (2011-2012) (It is a contributory book published by the UGC, Academic Staff College, Edited by Dr. CK Kumbharana)</p> <p>Editor : Dr. CK Kumbharana</p> <p>ISBN No : 978-81-923069-3-3</p>
(2)	<p>Chapter : An intelligent harm full/protecting program – virus / anti virus.</p> <p>Title : “Professional development programme for teachers on PC hardware & future technology, reading material published shed by UGC Academic Staff College, Saurashtra University, Rajkot (2011-2012) (It is a contributory book published by the UGC, Academic Staff College)</p>
2014-2015	
(3)	<p>Chapter : ICT – A learning perspective from a learner (student) point.</p> <p>Title : i-Learning, (Special Summer School – 2014, thrust area ICT based morden way of learning and teaching)reading material published by UGC Academic Staff College, Saurashtra University, Rajkot (2014-2015) (It is a contributory book published by the UGC, Academic Staff College)</p> <p>ISBN no. : 978 93 83977 13</p>

❖ Articles	
No.	Details
(1)	<p>Title : Excel – a spreadsheet Package Published by :</p> <p>Magazine : Department of Computer Science& Department of Education Exploring Windows Environments</p> <p>Author(s) : CK Kumbharana</p>
(2)	<p>Title : RDBMS and Its Applications</p> <p>Magazine : Proceeding in 5th state level seminar on “Emerging trends and applications in information technology By HJ Doshi Info. Tech. Inst</p> <p>Author(s) : CK Kumbharana</p>

❖ Attendance in Seminar	
No.	Name and place
State/Regional level	
1998-1999	
(1)	State level seminar on “curriculum reform of computer courses” organized by Department of Computer Science during 24-25/01/1999
(2)	UGC sponsored seminar on “ Use of automation tools & Internet in Computer Science Education”, organized by Department of Computer Science, Gujarat Vidhyapith Ahmedabad, during 22-24-/03/1999
1999-2000	
(3)	A Seminar on “ Internet Technology and harnessing power of www.”, organized by M P Shah Commerce college, Surendranagar during 08/-09/1999
(4)	UGC sponsored state level Seminar on “Information Technology and E-commerce”, organized by A K Doshi Mahila College, Jamnagar during 06-02/2000
(5)	State level seminar on “ sikshak prasikshan” Education Department Saurashtra University with help of UGC unassigned grant & Dr. H G Desai Memorial Education Trust, during 28-29-30/03/2000.
2003-2004	
(6)	Attended XVIII Gujarat Science Congress at Saurashtra University, Rajkot on March 13, 2004
2004-2005	
(7)	Attended seminar on “Emerging trends in advanced communication technology” on the eve of communication day 17-05-2004 at A v Parekh Technical Institute, Rajkot.
(8)	One-day state level seminar on “Supercomputing” Organized by Department of Computer Science, Patan University, Patan during 08-01-2005.
National level	
2001-2002	
(1)	National level seminar and Project/Design/Research competition - 2002 Organized by Department of Computer Science, Saurashtra University, Rajkot & Amogsiddhi education society, Sangli during (23,24,25-03-2002)
2002-2003	
(2)	National level seminar on “Innovations in Information system for rural development” organized by CSI V.V. Nagar Chapter division – 6 and GH Patel Post Graduate Dept of Computer Science and Technology, S.P. University, V V Nagar, Anand during (14,15-02-2003)
2003-2004	
(3)	National level seminar on “Emerging Technology & Application – 2003 (ETA – 2003)” organized by Department of Computer Science, Saurashtra University, Rajkot during 11,12,13 – 07 – 2003.
(4)	National level seminar on “Emerging Technologies and Application – 2004 (ETA – 2004)” organized by Department of Computer Science, Saurashtra University, Rajkot during 25,26 – 02 – 2004.
2004-2005	
(5)	Attended 92 nd Indian Science Congress at Nirma University, Ahmedabad during 3,4,5,6,7-01-2005..

(6)	Attended national seminar on Achieving and Maintaining Quality in Higher Education in India : Issues and Approaches, Organised by Internal Quality Assurance Cell (IQAC), Saurashtra University, Rajkot and sponsored by National Assessment and Accreditation council (NAAC) during 18,19,20-march-2005. Worked as a reporters.
2010-2011	
(7)	3 rd Science conclave 2010 – A congregations of Nobel Lectures (Science conclave 2010) at IIT Allhabad December – 2010.
2015-2016	
(8)	National Seminar jointly organized by IQAC, Saurashtra University, Rajkot and Siksha Sanskriti Utthan Nyas, New Delhi on Education Commissions recommendations and its executions in independent BHARAT during 18-06-2015.

❖ Attendance in Conference	
No.	Name and place
State/regional level	
1999-2000	
(1)	An UGC sponsored conference on “Strategies of comm.. edu with reference to modern ind. Development & recent in marketing in Gujarat” organized by P D Malaviya college, Rajkot on date 29,30-01-2000.
National level	
2001-2002	
(1)	The 4 th national conference of Indian Society of Statistics, Computer and its application, jointly organized by dept of statistics and dept of computer science, Saurashtra university, Rajkot on date 24.26-11-2001.
2013-2014	
(2)	Attended the conference on “Divine knowledge for golden age” organized by Rajyog education and research foundation (Education wing) & Prajapati Brahma Kumari Ishwariya Vishwa Vidyalaya at world head quarters Gyan sarovar Mount Abu on 31-05-2013 to 04-06-2013.
Inter national level	
2003-2004	
(1)	The 17 th Annual conference of All India Association for Educational Research (AIAER) as International conference in “Fourth Wave Education” held at Department of Education, Saurashtra University, Rajkot on date 10,11 & 12-01-2004.
2004-2005	
(2)	12 th International Conference on Advanced Computing and Communication – 2004 (ADCOM-2004) held during 15,16,17,18-12-2004 at Nirma University, Ahmedabad.
(3)	Attended MERG05 as international conference on current trends of information technology (Pre conference symposium) on 4,5,6-March-2005. (Presented paper (stood first) and paper on project (Stood second))
2005-2006	
(4)	Attended MERG05 as international conference on current trends of information technology on 1,2,3-Oct-2005.(Presented two paper and paper on project (stood second)
(5)	Attended EDUCON 2005 as international conference on GATS and Education on 28,29,30-Dec-2005 (Presented two papers) at Department of Education and C.S., Ounjabi University, Patiala, Punjab in collaboration with All India Association of Educational Research (AIAER)
2006-2007	
(6)	Attended international conference on “innovative practicum in teacher education” on 14,15,16-12-2006 at Dev Samaj College of Education, Chandigarh. (Chaired the one session as an expert in paper presentation)
2012-2013	
(7)	Attended international conference for academic institutions 2013 (ICAI) on 9, 10- Jan-2013 at PDPU organized by Government of Gujarat as part of vibrant Gujarat Summit 2013.
2013-2014	

(8)	Attended international conference on “Emerging trends in engineering and applied science” on 27,28-12-2013 at Rajasthan college of engineering for women, Jaipur. (worked as keynote speaker)
(9)	Attended international conference for National Education summit – 2014 on 10,11-Jan-2014 at Mahatma PDPU organized by Government of Gujarat as part of vibrant Gujarat 2014.
2014-2015	
(10)	Attended international conference for on Futuristic trends in Computational Analysis and Knowledge Management at Amity University, greater Noida Campus, Delhi during 25-27 February 2015.
2022-2023	
(11)	Attended “International conference on Emerging trends in expert applications and security” on 17,18,19 – 02-2023 at Jaipur Engineering College & Research Centre, Jaipur. (Chaired the one session as an expert in paper presentation)
2023-2024	
(12)	Attended “International conference on Universal Threats in Expert Applications and Solutions” on 06,07-01-2024 at Shree KKarni Universe College, Jaipur. (Chaired the one session as an expert in paper presentation)

❖ Attendance in Workshop	
No.	Name and place
State/regional level	
1996-1997	
(1)	Workshop on “Reformation of Computer Course” conducted at PDM College, Rajkot. On 05/04/1996
1999-2000	
(2)	Workshop on “Workshop on “Network & Web Development” conducted at Saurashtra University, Rajkot. On 01-02/05/1999.
2002-2003	
(3)	Workshop on “space and geoinformatics application” Organized by Indian Society of Geometric Ahmedabad Chapter and VVP Engineering college, Rajkot on 19/10/2002.
2003-2004	
(4)	Workshop on “effective implementation of revised syllabus – curriculum & re – engineering the education process for master degree programmes” organized by Department of Computer Science, Saurashtra University, Rajkot on 23-11-2003.
2005-2006	
(5)	Three days workshop on “Open source development tools and Linux platform” organized by Department of Computer Science and IBM (India) Bangalore, at dept of computer science, Saurashtra University, Rajkot during 25, 26 & 27 October 2005.
(6)	One day workshop on “Matlab” organized by Dept of Computer Science, Sau Uni, Rajkot during 29 th May 2006
2006-2007	
(7)	One day workshop on Use of Math/Stat Software for Data Analysis in Social science, Organized by Department of Computer Science, Saurashtra Universtiy, Rajkot during 16 th March 2007.
(8)	Two days workshop on “Network Management using IBM Tivoli” Oroganized by Department of Computer science and IBM India Pvt. Ltd. New Delhi during 30, 31th March 2007
(9)	Three days workshop on “Embedded system using 8051/ARM microcontroller organized by Dept of Computer science, Saurashtra University and SPJ systems, Pune during 24-26 August 2007.
2009-2010	
(10)	One day workshop on “Advanced developer technologies” Organized by Microsoft corporation and Gujarat Informatics Limited on 17 th April 2009.
(11)	Two week ISTE workshop on Effective Teaching/Learning of Computer Programming under the national mission of Education through ICT conducted by IIT Bombay at NIRMA Remote Center during 14th to 24th December 2009.
2012-2013	
(12)	One day workshop on “Assessment of Accreditation by NAAC” organized by IQAC & UGC: ASC, Saurashtra University, Rajkot on 21-01-2013.
National level	
2005-2006	

(1)	National workshop on Nano technology: Opportunities & Challenges”. Jointly organized by Saurashtra University and Gujarat council of Science and Technology (GUJCOST), Gandhinagar during 17-October-2005.
2006-2007	
(2)	National workshop on Data warehouse & Data Mining jointly organized by dept of computer science, Dept of Statistics, Sau Uni and Indian Society of Statistics, computer and Application, New Delhi during 23-04-2006.
2013-2014	
(3)	National workshop on “Emerging trends in information technology in university management” joint organized by PDPM Indian Institute of Information Technology and Manufacturing Jabalpur and Association of Indian Universities, New Delhi (AIU) during 09-09-2013 to 13-09-2013.
2018-2019	
(4)	One day national level workshop on NAAC assessment and Accreditation jointly organized by National Quality Renaissance initiative (NQRI) NAAC and IQAC Saurashtra University, Rajkot on 28-02-2019.
2023-24	
(5)	National workshop on “DIGILOCKER & ACADEMIC Bank of Credit (ABC)” joint organized by the knowledge consortium of Gujarat (KCG) and Saurashtra University, Rajkot On December 08 2023.
Inter national level	
2005-2006	
(1)	NLP workshop on developing Language Resource for Machine Translation (LRMT) Organized by International Institute of Information Technology (IIIT), Hyderabad at Language Technology Research Center. During 17-06-2002 to 06-07-2002.

❖ Contribution in curriculum development	
No.	Details
(1)	Worked as a member in development for an optional subject on computer for F.Y, S.Y. and T.Y. B.Com course under the instruction of Saurashtra University.
(2)	Worked as a member in development for the subject of MCA of Saurashtra University.
(3)	Worked as a member in development for the subject of MCA of Bhavnagar University.
(4)	Worked as a member in development for the subject of M. Sc. (IT&CA) of Saurashtra University.
(5)	Worked as a member in development for the subject of PGDCA of Somnath Sanskrit University.
(6)	Worked as a member in development for the subject of MCA of Bhavnagar University (2016).
(7)	Worked as a member in development for the subject of MCA of Saurashtra University (2016).
(8)	Worked as a member in development for the subject of MCA of Saurashtra University (2020).

❖ Radio talk	
No.	Details
2009-2010	
(1)	Title : Computer Science Abhyas nu aajna samayama mahatva Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 19-05-2009 (06:15 PM)
(2)	Title : Speech processing ane tenu Mahatav Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 22-09-2009 (06:15 PM)
(3)	Title : Computer Khetra vividh abhyashkramo Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 24-08-2010 (06:15 PM)
(4)	Title : MCA no abhyash kram mari drashtiyē Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 29-03-2011 (06:15 PM)
(5)	Title : Mahiti ekatrikaran mate internet no upyog Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 04-10-2011 (06:30 PM)
(6)	Title : Computer Shikshan Aajna Samay ni jaruriyat Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 25-01-2012 (06:30 PM)
(7)	Title : Computer Shikshan na vyavasayik abhyaskarmo Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 2012(06:30 PM)
(8)	Title : Computer Science na vividh abhyaskarmo Radio name : Prasar Bharati, Broadcasting corporation of India, all India Radio (Talk/short story Branch) Broadcast date : 09-04-2013

YouTube live	
(1)	<p>Title : અયોધ્યા દર્શન અનુભવોની વાતો</p> <p>YouTube live : https://youtube.com/live/1J6Bhte621Y, https://fb.watch/qdKvKfmvGm/ Talk on Karuna Talk</p> <p>Broadcast date : 15-02-2024</p> <p>Talk By : CK Kumbharana, Heena C Kumbharana</p>

❖ Expert lecture			
No.	Topic	Place	Date
2013-2014			
(1)	Advanced application in word processing	“SANDHAN”, In Knowledge consortium of Gujarat (An initiative of Gujarat Government) at BISEG, Gandhinagar	04-10-2013
(2)	Application using word processing	ASC, Vallabh vidya nagar	20-12-2013
(3)	Architectural design of computerized system	ASC, Vallabh vidya nagar	20-12-2013
(4)	Computer applications	Ph.D. course work – 2014 in Electronics department	08-11-2013, 22-11-2013, 25-11-2013
(5)	Key note speaker , latest trends in IT	National conference on emerging trends in information technology. Organized by Department of Computer Science, MDS University, Ajmer	14-03-2014
(6)	Event handling in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	03-03-2014
(7)	MVC architecture and swing applications in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	03-03-2014
(8)	Database connectivity fundamentals in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	04-03-2014
(9)	Database connectivity Applications in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	04-03-2014
(10)	RMI fundamentals in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	05-03-2014
(11)	RMI Application in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	05-03-2014
(12)	Socket programming fundamentals in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	06-03-2014

(13)	Socket programming applications in Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	06-03-2014
(14)	Application development using Java	STTP on Advanced Java sponsored by UGC, organized by Dept of Comp Sci, Sau Uni, Rajkot	08-03-2014
(15)	Spreadsheet applications	Interaction program for researchers, organized by ASC, Rajkot	22-01-2015
(16)	Power point presentation	Interaction program for researchers, organized by ASC, Rajkot	23-01-2015
(17)	Word processing fundamentals	Refresher course 206, ASC, Sau uni rajkot	11-02-2015
(18)	Word processing applications	Refresher course 206, ASC, Sau uni rajkot	12-02-2015
(19)	Skills to achieve excellence in teaching E.Evaluation	Refresher course 208, ASC, Sau uni rajkot	16-03-2015
(20)	Word processing fundamentals	Refresher course 207, ASC, Sau uni rajkot	17-03-2015
(21)	Word processing applications	Refresher course 207, ASC, Sau uni rajkot	18-03-2015
(22)	Project development process	Sarvodaya BCA college	27-06-2015
(23)	Word processing fundamentals	Sandhan	
(24)	Applications of word processing	Sandhan	
(25)	Analysis and designing a project	Morbi	
(26)	Computer Application	Ph.D. Course work, Department of Law, Saurashtra University, Rajkot	29-10-2015
(27)	Cloud computing	STTP on "CHK 'N' MAT" Computer Engineering VVP Engineering college, Rajkot	14-12-2015
(28)	RMI fundamentals and its applications	Marwadi Institute, Rajkot	
(29)	Virtual function in C++	Marwadi Institute, Rajkot	27-09-2018

(30)	Emerging trends in computer science and information technology	National seminar at Shree KP dholakiya InfoTech mahila college, Amreli in collaboration with IQAC, Saurashtra University, Rajkot	30-12-2019
(31)	Use of social media in education	Work shop (on teaching learning)by Saurashtra University & Gujarat nursing council managed by All Gujarat Self finance nursing association	05-01-2019
(32)	Use of computer in education	Jila talim shikshan, Rajkot	08-01-2019
(33)	Analysis of the problem form the programming point	International school of informatics management, Jaipur	09-04-2019
(34)	Best Practices/ Standard setting initiatives and guidelines: COPE, WAME, etc	Ph.D. course work, Shree Somanth Sanskrit University, Veraval	20-03-2021
(35)	Identification of publication misconduct and contribution, best journal finders tools..	Ph.D. course work, Shree Somanth Sanskrit University, Veraval	20-03-2021
(36)	Network programming – I	ASC, Vallabh vidya nagar	08-02-2024
(37)	Network programming – II	ASC, Vallabh vidya nagar	08-02-2024
(38)	ICT In Education –I 14:30 to 16:00	UGC:Malaviya Mission Teacher training Centre, Saurashtra University	23-02-2024
(39)	ICT In Education –II 16:00 to 17:30	UGC:Malaviya Mission Teacher training Centre, Saurashtra University	23-02-2024
(40)	Network programming using java		18-03-2024
(41)	ICT In Education –I 14:30 to 16:00	UGC:Malaviya Mission Teacher training Centre, Saurashtra University	22-03-2024
(42)	ICT In Education –II 16:00 to 17:30	UGC:Malaviya Mission Teacher training Centre, Saurashtra University	22-03-2024

❖ Attendance Professional Training / STTP	
No.	Details
(1)	Title : DCNI D – link certified network integrator: Host name : For networking of D – link products at D – link factory. Goa during 04-07/12/2001
(2)	Title : One day program on “D-Link netvision-2003 – towards a networked world” Host name : organized by D-Link India Ltd. (Ahmedabad)
(3)	Title : Microsoft India – Academic Developer Program certified “Faculty Training program on .NET technology” Host name : Department of Computer Science, Saurashtra University, Rajkot during 21-Jun-2004 to 25-Jun-2004.
(4)	Title : DB-2 Fundamental course Host name : Organized by Department of Computer Science, Rajkot jointly with IBM (India). Training is given by synergetic, Bangalore By Mr. Santosh during 17, 18 & 19-01-2005.
(5)	Title : Open source development tools and Linux platform Host name : Organized by Department of Computer Science, Saurashtra University, Rajkot on 25,26,27 October 2005.
(6)	Title : A Sun educational service course in “Developing Applications for the Java EE Platform FJ 310 EE5” Host name : Sun Microsystems during 27-07-2008 to 01-08-2008 at AITS Rajkot.
2012-2013	
(7)	Title : UGC sponsored term course for research guide on new frontiers in research Host name : Academic staff college, Saurashtra University, Rajkot, during 21-01-2013 to 27-01-2013
2014-2015	
(8)	Title : Accountability and responsiveness in Scientific Organizations Host name : Organized by Government of Indian, Department of Science and technology, managed by Academy of Human Excellence during 16-12-2014 to 20-12-2014

❖ Computer Application work	
No.	Details
(1)	Developed and implemented the information system for Academic Staff College.
(2)	Developed admission system for MCA & PGDCA .
(3)	Handled computer related activities of centralized B.Ed. admission of Saurashtra University .
(4)	Worked in Examination Panel Setting System (EPSS) of Saurashtra University as and when required.
(5)	Given support in examination result processing work as and when needed.
(6)	Guided the students of DCS, MCA (IGNOU) for their project work.
(7)	Provided programming and operational support in many research projects.
(8)	Provided support in preparation of synopsis for recruitment process as and when required.
(9)	Maintaining Computerized Network of Department of Computer Science, Saurashtra University – Rajkot
(10)	Developed and implemented Objective test result preparation system for the teacher. (Proposed by Dr AD Ambasana, Education dept, Saurashtra University, Rajkot)
(11)	Developed and implemented “Teacher’s feedback system” for the dept of computer science and all other department of the Saurashtra University. (Team members: CK Kumbharana, Meghana Patel, Ruchit Patel & Haldar Sumona. Implemented team: CK Kumbharana, Shyamal Tanna, Kirti Makadia, Ritesh Rachchh, Pooja Kansara, Chirag Loliyana
(12)	Designed and developed “on line test” system for the internal examination for the MCA students. (Team Member: CK Kumbharana, Umesh Chauhan, Haripriya Tanna, Ashtha Kothari. Implemented team : CK Kumbharana)
(13)	Designed, developed, implemented then M.Ed. Admission computerized system for the Department of Education, Saurashtra University, Rajkot During May-2007. (CK Kumbharana, Kirti Makadia)
(14)	Designed, developed, implemented then M.Sc. It. Admission computerized system for the Department of Computer Science, Saurashtra University, Rajkot During May-2007. (CK Kumbharana, Kirti Makadia)
(15)	Designed and developed a various required software for the GCET-2007 for MCA and MBA admission. (Team member: CK Kumbharana, Kirti Makadia)
(16)	Designed, developed, implemented the on line objective test for the M.Sc (IT & CA) for the Saurashtra University and taken the admission test for the msc (it & ca) – 2009 batch. Approximately 1300 students appeared in the online test. The test was conducted at Department of Computer Science. (Team member: Dr. CK Kumbharana, Sheetal Rakangor)
(17)	Designed, developed, implemented the on line admission (counseling) of M.Sc (IT & CA) for the Saurashtra University(Team member: Dr. CK Kumbharana, Sheetal Rakangor)
(18)	Designed, developed, implemented the on line admission test for all M.Sc. course of the Saurashtra University.

(19)	Appointed by VC as a member in Samarth E-Government project and have to looked after the Administration (Inventory, file management, core communication) (10-04-2023, sodhe scheme/67640/2023)
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❖ Other teaching work	
No.	Details
(1)	Worked as a resource person in U.G.C. sponsored orientation programmes and refresher programmes run by Academic Staff College, Saurashtra University, Rajkot.
(2)	Worked as a visiting faculty in MBA programme run by Saurashtra University.
(3)	Worked as a faculty member in the M. Com. (Computer Sci.) course run by Commerce Department, Saurashtra University, Rajkot.
(4)	Worked as a faculty member in the professional training programmes run by Computer Centre, Saurashtra University, Rajkot.
(5)	Invited for professional lectures by Computer Society of India, Rajkot Chapter.
(6)	Involved in examination work (paper setting, project viva, etc.) in many examinations.
(7)	Worked as a coordinator (sanchalak) in TYBA, M.Phil and M.Sc. March – 2004 examination. . All computer courses of Saurashtra University Nov-2005 and April-2006 (Performed as receiving as papers and handled central assessment of the papers.)
(8)	Appointed as a regular counselor in Indira Gandhi Open University (IGNOU) at Rajkot center.
(9)	Appointed as VC nominee in examination committee with ref to 47-A in computer science for both term of the year 2014.
(10)	Appointed as VC nominee in examination committee with ref to 47-A in bio informatic for both term of the year 2014.
(11)	Appointed as a project evaluator for MCA IGNOU in Jan-2015.
(12)	Appointed as an external subject matter expert for the evaluation of SEED Money Project proposal for Manipal Group of Institutions. (21-06-2024)
(13)	Appointed as a project evaluator for MSCIT, MSCCS in Dr BAOU in September - 2024.

❖ Training Organized	
No.	Details
(1)	Organized the training and worked as resource person for the staff of Computer Centre, Saurashtra University from date 14-09-2004 to 16-10-2004 (tentative 25 hours) on Visual Basic fundamentals, demonstration of the different system and utility and usages of Crystal report.
(2)	Worked as resource person in two days training program for the principals of the different colleges, organized by academic staff college, Saurashtra University, Rajkot.
(3)	Worked as a coordinator and resource person in UGC sponsored “resource person development workshop” Organized by Academic Staff College, Saurashtra University, Rajkot during 24,25,26-sept-2005.
(4)	Organized and work as a coordinator in short term training program (STTP), organized by department of computer science, Saurashtra University, sponsored by UGC on <i>advanced C++</i> during 28, 29, 30 -01-2010.
(5)	Organized and work as a coordinator in short term training program (STTP), organized by department of computer science, Saurashtra University, sponsored by UGC on <i>core java</i> during 28,29,30 – 01-2011.
(6)	Worked as a coordinator in national level one day seminar on “Development of Web application using Java and .NET”. Organized by Department of Computer science on 25-03-2012.
(7)	Worked as a coordinator in one day workshop on “Pre-interview preparation” organized by CCDC & CCC (UGC) initiated by Department of Computer Science & Department of Electronics, Saurashtra University, Rajkot on 19-09-2013.
(8)	Organized and work as a coordinator in short term training program (STTP), organized by department of computer science, Saurashtra University, sponsored by UGC on <i>advanced java</i> during 03-03-2014 to 08-03-2014.

❖ Editorship of Journals	
No.	Details
(1)	Member of editorial board – International Journal of Emerging Technology and Applications in engineering and Technology science (IJ-ETA-ETS) ISBN – 0974-3588
(2)	Member of editorial board – International Journal of Computer Applications in Engineering, Technology and Science (IJ-CA-ETS) ISBN – 1997-6364
(3)	Member of editorial board – “PRAJNA” published by Saradar Patel University, Vallbh Vidya Nagar
(4)	Member of editorial board – “journal of applied science” published by Saurashtra University under the name “vank”
(5)	Member of editorial board – “Journal of engineering and Technology” of Suresh Gyan Vihar University Jaipur.
(6)	Nominated by VC sir as associate editor of VAK (pure and applied Science) The research journal of Saurashtra University – 2017
(7)	Appointed as associate editor by vice chancellor – “journal of applied science” published by Saurashtra University under the name “vank” – 2022.

❖ Administrative work	
No.	Details
(1)	Acted as a member of admission committee for MCA and PGDCA admission.
(2)	Correspondence with different organizations for project work of the students of PGDCA, M. Com. (Computer Sci.) and MCA.
(3)	Assisting for curriculum activities like time table preparation, guest lecture programmes, etc. for students of MCA, PGDCA, M. Com. (Computer Sci.).
(4)	Appointed as a assistant coordinator in Indira Gandhi Open University (IGNOU) for Rajkot Center.
(5)	Appointed as a member of operational committee in Gujarat Common Entrance Test (GCET-2007) for MBA and MCA admission.
(6)	Appointed as a member for the Uyrban Health Society, Rajkot Municipal Corporation, Rajkot. For planning and mapping of the Rajkot city using GIS.
(7)	Appointed as a member of Expert committee by AICTE, Delhi for approval of MCA and MBA course for shree sun shine trust, Rajkot on 13-06-2009.
(8)	Worked as an Observer in the Saurashtra University Senate Election – 2012 at MVM Mahila arts college on 08-04-2012.
(9)	Worked as a scrutinizer in Saurashtra University Senate Election – 2012 during 11,12,13-04-2012
(10)	Appointed as a member in the Saurashtra University Central Admission Board (SUCAB) for the year 2012.
(11)	Appointed as a member in the Saurashtra University Central Admission Board (SUCAB) for the year 2013.
(12)	Appointed as observer for the national eligibility cum entrance test (NEET-UG) 2013 on 05-05-2013.
(13)	Assigned the work to conduct the on line admission test for MSW, MLW, MSc (IT &CA), basic nursing for the year 2013.
(14)	Appointed as a one of the member in IT Advisory Committee, of Saurashtra University, Rajkot.
(15)	Appointed as a one of the member in up gradation of dynamic website of the Saurashtra University, Rajkot under IQAC (20-09-2013).
(16)	Appointed as a chairman in ad hoc computer board for Saurashtra University, Rajkot from 13-01-2014.
(17)	Worked as a coordinator in conducting the elimination test for the post of Assistant cum clerk cum data entry operator for Saurashtra University, Rajkot on 22-06-2014.
(18)	Worked as a coordinator in conducting the elimination test for the post of Computer Assistant, Senior Assistant and Assistant in Academic Staff College, Saurashtra University, Rajkot on 19-06-2011.
(19)	Appointed as a member in the Saurashtra University Central Admission Board (SUCAB) for the year 2014.
(20)	Appointed and worked as an observer for “All India Pre-Medical/Pre-Dental Test” handled by Central board of secondary education (an autonomous organization under the union minister of human resource development, Government of India) At Ahmedabad center during 02,03-05-2015.
(21)	Appointed as a coordinator for the committee to manage the MCA vacant seat admission – 2015.

(22)	Appointed as a coordinator for conducting the CCC examination given by the GAD to the Saurashtra University, Rajkot 2015-2016.
(23)	Appointed as a technical committee member in write of committee of e-west of Saurashtra University, Rajkot – 29-03-2016.
(24)	Conducted the admission test for the department of low, Saurashtra University, Rajkot (21-06-2016)
(25)	Conducted the admission test for the department of mathematics, Saurashtra University, Rajkot (28-06-2016)
(26)	Conducted the admission test for the department of commerce (M.Phil), Saurashtra University, Rajkot (29-06-2016)
(27)	Conducted the admission test for the department of biochemistry, Saurashtra University, Rajkot (30-06-2016)
(28)	Conducted the admission test for the department of physics, Saurashtra University, Rajkot (01-07-2016)
(29)	Conducted the admission test for the department of bioscience, Saurashtra University, Rajkot (04, 05-07-2016)
(30)	Conducted the admission test for the department of chemistry, Saurashtra University, Rajkot (07,08-07-2016)
(31)	Conducted the admission test for the department of Sociology (M.Phil), Saurashtra University, Rajkot (21-07-2016)
(32)	Appointed as an associate coordinators by IQAC for cluster coordinators 21-09-2016
(33)	Appointed by VC sir Saurashtra University, Rajkot as a member of advisory committee for Ph.D. Entrance test 2018.
(34)	Appointed by VC sir Saurashtra University, Rajkot as an observer for Ph.D. Entrance test 2018.
(35)	Appointed by VC sir as one of the member in the draft committee for the NAAC 2019 of Saurashtra University, Rajkot 2018.
(36)	Appointed by VC sir as a chairman/convener to prepare the AQAR for the year 2017-2018 of Saurashtra University, Rajkot
(37)	Appointed by VC sir as a member to check and analyze the software of academic section of Saurashtra University, Rajkot (27-09-2018)
(38)	Appointed as a member of peer team of NAAC for the college Shivajirao S Jondhle College of engineering and technology, asangao, Thane, Maharashtra (05,06-10-2018)
(39)	Appointed as a coordinator to conduct the Hecathone-2109 for the students of various BCA, Bsc IT and M.sc. IT & CA students affiliated to the Saurashtra University, Rajkot
(40)	Appointed as a chairman to do LIC of Shri swaminarayan college of computer science (BScIT), affiliated to Bhavnagar. (2019-20)
(41)	Appointed as a chairman to do LIC of KR Doshi college of computer science (BScIT), affiliated to Bhavnagar. (2019-20)
(42)	Appointed as a member to do LIC of Shri swaminarayan college of computer science (MScIT), affiliated to Bhavnagar. (2019-20)
(43)	Appointed as a member to do LIC of Shri Shahjanand college of computer science (MScIT), affiliated to Bhavnagar. (2019-20)
(44)	Appointed as a member to do LIC of Vidhya tirth education trust sanchalit Parangat B.Ed. College, Salvad, affiliated to Saurashtra University. (2019-20)

(45)	Appointed as a one of the member of the scrutiny committee for the filling up the post of associate professor and professor in Saurashtra University December – 2019.
(46)	Appointed as a coordinator for the committee to manage the MCA vacant seat admission – 2020.
(47)	Appointed as a member to do LIC of Anupam Mishion Sanchalit, yogiji maharaj maha vidhyalaya mahila arts and commerce college, yoginagar, dhari. (2020-2021)
(48)	Worked as a scrutinizer the form of the candidates (adhyaksh and another member other than adhyaksh) applied for “Tabibi vidya shakha abhyash samiti” Election in Saurashtra University– 2021.
(49)	Worked as a scrutinizer the form of the candidates (adhyaksh and another member other than adhyaksh) applied for “shikshan vidya shakha abhyash samiti” Election in Saurashtra University– 2021.
(50)	Appointed by VC sir as a scrutinizer to scrutiny the filled forms of the applied candidate for syndicate general-05 seats and syndicate teaching-01 seat in Saurashtra University syndicate Election – 2021 during 11,12,13-04-2012
(51)	Appointed by VC sir as a scrutinizer to scrutiny the filled forms of the applied candidate for academic council member of low faculty for dean seat -01 and other than dean -01 seat in Saurashtra University 20-05-2021.
(52)	Elected as a chairman in computer board for Saurashtra University, Rajkot from May 2021.
(53)	Worked as a member in computer Board of Studies at Atmiya University for the period from July 2018 to May 2021
(54)	Appointed as a member to do LIC of the Wankaner education society, wankaner (BCA), affiliated to Saurashtra Uni., Rajkot. (L.no 11-06-2021)
(55)	Appointed as a one of the member in determining the rules of PG admission for the year 2022-2023.
(56)	Appointed as a member to do LIC of Saurashtra education trust sanchalit shreemati k.s.n. kansagara mahila college and m.g.j.h.v. bhalodiya mahila arts and commerce college, Rajkot affiliated to Saurashtra University for the year 2022-23.
(57)	Appointed as a member to do LIC of Rajkot kelvni mandal sanchalit shree k a pandhi English medium low college, Rajkot affiliated to Saurashtra University for the year 2022-23.
(58)	Appointed as a member in the Saurashtra University Central Admission Board (SUCAB) for the year 2022-2023.
(59)	Appointed as a task force group leader by VC sir for the quality mandate (QM) suggestive academic activities.
(60)	Appointed as committee member for the e-tender process of medical and paramedical software development. 06-06-2022.
(61)	Appointed as a member to do LIC of Shree gyan saurabh education trust sanchalit, shanti niketan BSW collge, Rajkot, affiliated to Saurashtra University. (21-06-2022)
(62)	Appointed as a member of Board of studies (Computer application) of Dr Subash University, Junagadh 26-06-2022.
(63)	Appointed as a member to do LIC of Ssarkari vighyan college C/O model school of Jasdan affiliated to Saurashtra University. (24-06-2022)

(64)	Appointed as a member to do LIC of shree umiya education trust sanchalit shree MDS Bed. College Tankara for BCA and BBA course affiliated to Saurashtra University. (08-07-2022)
(65)	Appointed as a member to do LIC of oshwal education trust sanchalit shreemati C.Z.M. Gosrani BCA college for MSc (IT & CA) affiliated to Saurashtra University. (02-08-2022).
(66)	Appointed as a member to do LIC of koteswar dharmik seva trust sanchalit shree g b parmar college of computer science and management surendranagar affiliated to Saurashtra University. Letter dated 14-06-2022
(67)	Appointed as a member to do LIC of Darshil education foundation sanchalit kalian science college aliyabada road, jamnagar affiliated to Saurashtra University. Letter dated 05-08-2022.
(68)	Appointed as a member to do LIC of om education trust sanchalit, shri om college of compuer science, Rajkot for mscit & ca affiliated to Saurashtra University. Letter dated 20-10-2022.
(69)	Appointed as a member to do LIC of om education trust sanchalit, shri om college of computer science, Rajkot for PGDCA affiliated to Saurashtra University. Letter dated 22-02-2023.
(70)	Appointed as a member to do LIC of oshwal education trust, shri gosar hansraj gosrni comm. And shri DD Nagda BBA college, shah bhagvani kachara edu compl.Jamnagar for MSc (IT & CA) affiliated to Saurashtra University. (22-02-2023).
(71)	Appointed as a member to do LIC of matrushi DR gadhiya edu trust sanchalit, shri matru mandir inst. Of info tech. & mgmt, Rajkot for MSc (IT & CA) (2023-24) affiliated to Saurashtra University. Letter dated 22-02-2023.
(72)	Appointed as a member to do LIC of vidya tirth edu trsut snchlit, parangat Bed coll, halvad for MSc (IT & CA) (2023-24) affiliated to Saurashtra University. Letter dated 22-02-2023.
(73)	Appointed as a member to do LIC of savysachi edu trsut sanchalit, TN Rao coll. for MSc (IT & CA) (2023-24) affiliated to Saurashtra University. Letter dated 22-02-2023.
(74)	Appointed as a member to do LIC of Shri surendranagar edu society sanchalit, shri MP Shah comm. Coll. Surendra nagar BBA (2023-24 to 2025-26) affiliated to Saurashtra University. Letter dated 03-03-2023.
(75)	Appointed as a member to do LIC of licence cheritable foundation trust sanchalit, dodhivala arts and comm. College, Surendra nagar BA and BCom (2023-24) affiliated to Saurashtra University. Letter dated 18-03-2023.
(76)	Appointed as a scrutinizer in Saurashtra University Senate Election – 2023 dated 20-07-2023.
(77)	Appointed as a one of the member of the scrutiny committee to solve the problem raised by the candidates, for the filling up the post of associate professor and professor in Saurashtra University August - 2023.
(78)	Appointed as a member to do LIC of Shree nageshwar edu & cheritable trust sanchalit, viveknand college of computer science and mgmt (2023-24) for MSC IT & C affiliated to Saurashtra University. Letter dated 27-10-2023.
(79)	Organized one day educational tour for the student of MCA at Amul Dairy and Amul Chocolate plant Anand on 04-11-2023.

(80)	Appointed as a member to do LIC of jay bajarang seva samiti sanchalit shri savami vivekanand college, Surendranagar (2024-25) for MSC IT & C affiliated to Saurashtra University. Letter dated 08-11-2023.
(81)	Appointed as a member to do LIC of Om Education trust, Rajkot sanchalit shree om education college of computer science, Rajkot (2024-25) for MSC IT & C affiliated to Saurashtra University. Letter dated 17-01-2024.
(82)	Appointed as a member to do LIC of Panchil edu trust sanchalit, panchil collge of education, RTO Rajkot for BCA affiliated to Saurashtra University. Letter dated 17-02-2024.
(83)	Appointed as a member to do LIC for the college name bifurcation of MATrushi Virbaima mahila arts and computer college Rajkot, into matrushi virbaima mahila arts college, Rajkot (BA), and matrushi virbaima mahila college of commerce, management and IT, Rajkot (Bcom, BBA, BCA) affiliated to Saurashtra University. Letter dated 17-02-2024.
(84)	Appointed by VC sir Saurashtra University, Rajkot as a member of committee for the services of old canteen, new canteen, Xerox shops etc. on 21-02-2024.
(85)	Appointed by VC sir Saurashtra University, Rajkot as a member of committee to revise the rate/km for travelling of students for the educational tour.
(86)	Appointed by VC sir Saurashtra University Rajkot as a member of committee to change financial power of the university officers.

❖ Other work	
No.	Details
(1)	Worked as a Judge in National level seminar & Project/design/research competition 2002 24-26/3/2002 organized by department of computer science and Amoghsiddhi education society, Sangli.
(2)	Worked as an Presiding Officer at 19-Rajkot (Gramya) Assembly seat Booth No. 19/101 A in Assembly Election-2002 held on 12-12-2002
(3)	Taken part in Department of Computer science Sports Club. Cricket Tournament-2003,in February 2003.
(4)	Worked as Judge in UGC sponsored one day State level seminar “IT Excellence – 2004”, organized by Shree Manibhai Virani & Smt. Navalben Virani Science college and Shree Yogi Maharaj Arts & Commerce College Rajkot During 24-02-2004.
(5)	Worked as an Presiding Officer at 26-Jamnagar (Gramya) Assembly seat Booth No. 26/106 in Lokshabha Election-2004 held on 20-04-2004.
(6)	Worked as a Judge in National level symposium “Tech-Utkarsh – 2004” during 27, 28 October – 2004 Organized by Atmiya Institute of Technology and Science, Rajkot.
(7)	Worked as a panel expert for the competition “Fly High with ‘c’ (Debugging/Testing Contest)” SMITE-2006 organized under National Conference on “Intelligent Information Retrieval and Processing” organized by Shrimad Rajchandra Institute of Management and Computer Application, Gopal Vidyanagarm Bardoli during 29-30 April 2006.
(8)	Worked as a Presiding Officer at 15-Wankaner Assembly Booth No. 143 Rangpar in Vidhansabha Election-2007 held on 11-12-2007.

(9)	Worked as an Presiding Officer (PR/00297) at 71-Rajkot (Gramya) Assembly Booth No. 23/71 Mavdi – 5 in Vidhansabha Election-2012 held on 13-12-2012.
(10)	Worked as a judge for paper presentation in IT Range – 2013, state level technical competition at GKCK Bosamiya College, Department of Computer science, Jetpur – 23-02-2013.
(11)	Worked as a subject expert for selection committee of director and assistant professor at Murlidhar group of institute for MCA program on 12-12-2012.
(12)	Worked as a subject expert for selection committee at Kachchh University for MCA and M.Sc. IT program on 09-08-2012.
(13)	Worked as a subject expert for selection committee at TN Rao college for MCA on 14-07-2012.
(14)	Worked as a subject expert for selection committee at Somnath Sanskrit University, Veraval for PGDCA faculty.
(15)	Worked as a subject expert for selection committee at Bhavnagar University for the post of Associate professor on 21-11-2013.
(16)	Worked as a subject expert for selection committee at GKCK Bosamiya college, Jetpur for M.Sc. (IT & CA) faculty 26-07-2013.
(17)	Worked as a subject expert for selection committee at sun sine college, Rajkot for MCA faculty on 06-01-2014.
(18)	Worked as a judge for paper & poster presentation in synergy - 2014, state level technical competition at Marwadi Education Foundation, Rajkot – 18-01-2014.
(19)	Worked as a member in advisory committee in “Science symposium 2014” on recent trends in science and technology organized by Christ college, Rajkot sponsored by GUJCOST – Gandhinagar on 23-02-2014.
(20)	Worked as a judge for paper & poster presentation in 7 th national level science symposium on the recent trends in science and technology organized by Christ College, Rajkot on 23-02-2014.
(21)	Worked as a subject expert for selection committee at Dr. VR Godhanuya College, Porbandar for M.Sc. (IT & CA) faculty 02-03-2014.
(22)	Worked as a subject expert for selection committee at Shree Amreli leuva Patel Cheritable Trust Sanchalit, shree KP Dholakiya Infotech Mahila College, Amreli.
(23)	Worked as a subject expert for selection committee for director and assistant professor for MCA course at Smt RO Patel women’s MCA college, Morbi on 23-3-2014.
(24)	Worked as a member of selection committee for the post of associate professor for Department of Computer Science, Saurashtra University, Rjako on 09-06-2014.
(25)	Worked as a member of SEBC representative in the interview of Associate professor for physics on 09-06-2014 at Saurashtra University, Rajkot.
(26)	Worked as a member of SEBC representative in the interview of Assistant professor for bioscience on 09-06-2014 at Saurashtra University, Rajkot.
(27)	Worked as a member of SEBC representative in the interview of Assistant professor for physics on 09-06-2014 at Saurashtra University, Rajkot.

(28)	Worked as a member of SEBC representative in the interview of Assistant professor for sociology on 11-06-2014 at Saurashtra University, Rajkot.
(29)	Worked as a member of SEBC representative in the interview of Assistant professor for philosophy on 11-06-2014 at Saurashtra University, Rajkot.
(30)	Worked as a member of SEBC representative in the interview of Assistant professor for law on 12-06-2014 at Saurashtra University, Rajkot.
(31)	Appointed as committee member for NAAC peer team visit in IT committee in May 2014.
(32)	Worked as a resource person in SSS:14 (Special Summer School – A) organized by Academic Staff College, Saurashtra University, Rajkot on 19-06-2014 (15:00 to 18:00)
(33)	Worked as a subject expert for selection committee at Somnath Sanskrit University, Veraval for PGDCA faculty on 16-06-2014.
(34)	Appointed as a member in DPC (Doctoral Progress Committee) by GTU.
(35)	Appointed as a VC nominee of Saurashtra University to work as an expert to select principal at Shree amreli jilla leuva patel cheritable trust sanchalit, shri kp dholakiya infotech mahila college, amreli.
(36)	Worked as a subject expert for selection committee for Assi. Prof. and asso. Prof. for M.Sc. IT & CA course at DR. Virambhai Rajabhai Godhaniya college, Porbandar on 02-03-2014.
(37)	Worked as an Presiding Officer at 71- Rajkot (Gramya) Assembly seat Booth No. 167 vajdivad in Lokshabha Election-2014 held on 28-04-2014.
(38)	Worked as a subject expert for selection committee for Ass. Prof in B.SC (IT) in creation BSW college, Rajkot on 01-09-2014.
(39)	Worked as a subject expert for selection committee for academic post in Diu college, Diu on 02-09-2014.
(40)	Appointed as an advisory committee member for nation seminar on future trends in IT, organized by Anand Institute of Information Science, Anand. On 21-03-2015.
(41)	Worked as a subject expert for selection committee for the post of Assistant Professor at Smt RO Patel Women's MCA college, Morbi on 01-03-2015.
(42)	Worked as a subject expert for selection committee for the post of Director at Smt RO Patel Women's MCA college, Morbi on 01-03-2015.
(43)	Worked as a subject expert for selection committee for Ass. Prof in Computer Engineering at VVP engineering college, Rajkot on 17-04-2015.
(44)	Worked as a subject expert for selection committee for Professor in Information Technolgy at VVP engineering college, Rajkot on 17-04-2015.
(45)	Worked as a subject expert for selection committee for principal at Smt RO Patel Women's MCA college, Morbi on 24-05-2015.
(46)	Worked as a subject expert for the Ph.D. synopsis evaluation committee of RK University on 05-08-2015.
(47)	Appointed expert to give an expert opinion for Ph.D. entrance test paper – 2015, Saurashtra University, Rajkot

(48)	Appointed as a member of selection committee for the post of associate professor (CAS) for Department of Computer Science, Saurashtra University, Rajkot on 23-07-2016.
(49)	Appointed as a member of selection committee for the post of associate professor for Department of Computer Science, Saurashtra University, Rajkot on 23-07-2016.
(50)	Appointed as a member of selection committee for the post of professor (CAS) for Department of Computer Science, Saurashtra University, Rajkot on 27-07-2016.
(51)	Appointed as a subject expert of selection committee by VC sir for the post of Assistant professor for Department of Computer Science, Harivandana College, Rajkot on 14-10-2018.
(52)	Appointed as a subject expert of selection committee by VC sir for the post of Assistant professor for Department of Computer Science, well known college of computer science let. on 16-10-2018.
(53)	Worked as a subject expert for selection committee of Professor, Associate Professor and Assistant professor at B H Gardi College of Engineering & technology on 27-12-2018 for MCA program.
(54)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at TN Rao College, Rajkot.
(55)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at Sahjanand college of IT and management, Gondal 10-02-2019.
(56)	Appointed as a one of the member for comprehensive WIFI AMC for Saurashtra University, 14-02-2019.
(57)	Appointed as a one of the jury member for Rajkot Smart City Development Limited to remain present in optical fiber installation presentation, given by the various company.
(58)	Worked as a subject expert for selection committee for professor/associate professor/ Assistant professor at Shri Shunshine Educational Trust's Group of Institutions, Faculty of MCA, 12-03-2019.
(59)	Appointed as a subject expert to select Assistant professor in computer science at Well known college of computer science, Rajkot 24-03-2019
(60)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at HN shukla college of IT & Managment, Rajkot (letter dt 31-08-2019).
(61)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at Mirmbika College of Education College, Rajkot (letter dt 16-09-2019).
(62)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at Mirmbika College of Education College, Rajkot (letter dt 14-07-2020).
(63)	Appointed as a VC nominee of Saurashtra University to work as an expert to select 11 month contractual Assistant professor in electronics department, Saurashtra University, Rajkot (letter dt 21-09-2020).
(64)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science, at shri swami vivekanand college, surendranagar (letter dt 12-10-2020).

(65)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science, at shajanand college of IT and management (letter dt 09-11-2020).
(66)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science, at shree HN Shukla college of IT and management (letter dt 12-11-2020).
(67)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in education faculty, at shree A.V.J. Oza institute of B. Ed. College and V.J.Oza commerce college – Lakhtar. (16-01-2021).
(68)	Selected as an adhyaksh in computer science abhyash samiti (vigyan vidyashakha) of Saurashtra University, Rajkot effected from 23-05-2021.
(69)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in education faculty, at HM Shah and MP Sanghvi Cheritable trust sanchalit, Mahavir Bed. College, dhangdhra, surendra nagar (04-03-2021)
(70)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in science faculty, at Shree umiyji parivar education trust, mahila b.ed. college, dhrol (29-07-2021)
(71)	Worked as a subject expert for selection committee at sahanand college of IT and management, Gondal for BCA/BSc 20-06-2021.
(72)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science, at Sanjaybhia Rajyaguru science college, Hadmatiya, Rajkot (23-07-2021).
(73)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science, at Harivandna College, Rajkot (letter dt 23-07-2021).
(74)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science, at Shree sawami Viveknand College, Surendra nagar (letter dt 15-11-2021).
(75)	Worked as a subject expert for selection committee at Sonecha college Veraval for MCA on 11-03-2022.
(76)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science, at Shree Meghaji Pujabhai Patel B.Ed.College, Kumar chatralaya campus, rafareshwar road, post Jodhpur, Morbi (letter dt 09-03-2022).
(77)	Appointed as a member in interview committee for the post of principal at KK Sheth physiotherapy college, Rajkot on 24-03-2022
(78)	Worked as a subject expert for selection committee of Professor, Associate Professor and Assistant professor at B H Gardi College of Engineering & technology on 29-06-2022 for MCA , CE, CSE, IT program.
(79)	Worked as a subject expert for selection committee of professor (CAS) at Veer Narmad South Gujarat University, Surat on 21-07-2022.
(80)	Worked as a subject expert for selection committee of lecturer at oshwal education trust managed, Jamnagar on 23-08-2022.
(81)	Appointed as a member in interview committee for the post of assistant professor at Shreemati SB Gardi B.Ed. College, Dhrol. Letter date 29-07-2022.

(82)	Appointed as a VC nominee expert in interview committee for the post of assistant professor at Bhavan's Shree HJ Doshi information technology institute, Jamnagar on 07-09-2022.
(83)	Appointed as a VC nominee expert in interview committee for the post of system manager at shree govind guru university, Godhara.
(84)	Worked as a subject expert to select Assistant professor in computer science at Sahjanand college of IT and management, Gondal 11-12-2022.
(85)	Appointed as a VC nominee expert in scrutiny committee for the post of system manager at shree govind guru university, Godhara (06-01-2023).
(86)	Appointed as an external expert in the DRC at Department of Computer Science, MK Bhavnagar University, Bhavnagar (11-01-2023).
(87)	Appointed as an expert in interview committee for the post of assistant professor at Smt Shantaben R Herma Bed college Satapar. (18-01-2023)
(88)	Appointed as an expert in interview committee for the post of assistant professor at shree h l patel arts ad commerce college, bhayavadar. (letter dated 23-01-2023) interview date is (06-03-2023)
(89)	Appointed as a member to implement the UGC (minimum standards and procedure for the award of PhD) regulation, 2022 gazette/notification. (dated 24-01-2023)
(90)	Appointed as an external expert in the DPC at Department of Computer Science, Dr Subhash University, Junagadh (24-01-2023).
(91)	Appointed as a technical expert to perform the online inspection committee of Saurashtra University, Rajkot (16-02-2023).
(92)	Appointed as a VC nominee expert in interview committee for the post of Assistant professor in computer at martushri DB Patel education trust, Atkot (letter dated 13-03-2023)
(93)	Appointed as a VC nominee expert in interview committee for the post of principal in computer at Sarvoday college of computer science, Rajkot (letter dated 24-04-2023)
(94)	Appointed as a subject expert in interview committee for the post of assistant professor in BCA at TN RAO College, Rajkot. (01-05-2023)
(95)	Worked as a subject expert for selection committee at Bhavnagar University for 11 month temporary teaching assistant for MCA on 03-06-2023.
(96)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at Harivandana College, Rajkot. Lt no jodan/3/1252/2023 dated 16-05-2023.
(97)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at shree swami vivekanand College, surendranagar . Lt no jodan/3/1758/2023 dated 05-07-2023.
(98)	Appointed as a subject expert in interview committee for the post of assistant professor in BCA at GKCK Bosmiya College, Jetpur. (21-08-2023)
(99)	Appointed as a members of the selection committee at Saurashtra University for the post of Associate Professor on 27-09-2023.
(100)	Worked as a subject expert to select Assistant professor in computer science at Geetanjali College, Rajkot on 06-11-2023.

(101)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at shree panchshil college of education, Rajkot. Lt no jodan/3/2543/2023 dated 07-11-2023.
(102)	Appointed as a VC nominee of Saurashtra University to work as an expert to select adhyapak sahayak in commerce/Accountancy method at Mahatma Gandhi Charitable trust, Rajkot. (23-12-2023, interviewed at Government commerce college, Gandhinagar)
(103)	Appointed as a VC nominee of Saurashtra University to work as an expert to select adhyapak sahayak in mathematics at Shree Vidya Mandal (Gangajala Vidyapith) Aliabada, Jamnagar, (04-01-2024, interviewed at Government commerce college, Gandhinagar)
(104)	Appointed as a VC nominee for the member of assessment committee for the upgradation from JRF to SRF under GUJCOST, Gandhinagar project of Prof NA Shah. (12-01-2024, interviewed at Physics department, Saurashtra University, Rajkot)
(105)	Appointed as a member of committee to set up a data center in Saurashtra University. Dated: 25-01-2024
(106)	Appointed as a VC nominee of Saurashtra University to work as an expert to select Assistant professor in computer science at shree Mirambika college of education, Rajkot. Lt no jodan/3/170/2024 dated 31-01-2024.
(107)	Worked as an Presiding Officer at 71- Rajkot (Gramya) Loksabha Assembly 2024 seat Booth No. 212/379 Dhandhiya Prathmik shala room no.-1 held on 07-05-2024.
(108)	Worked as a subject expert for selection committee for manager in Guj Info Petro Ltd (GIPL), Gandhinagar on 18-05-2024.
(109)	Appointed as a VC nominee of Saurashtra University to work as an expert to select adhyapak sahayak in Hindi, English at Shree V M Mehta Municipal arts and commerce college, Jamnagar, (interviewed at Government commerce college, Gandhinagar)
(110)	Appointed as a VC nominee of subject experts at Shri Babasaheb Ambedkar University, Ahmedabad select assistant professor, Associate professor, junior programmer, senior programmer. (18-06-2024)
(111)	Appointed and worked as a jury member for SSIP 2.0 PoC Screening Saurashtra University, Rajkot on 10-07-2024.

(Prof (Dr) CK Kumbharana)