

Curriculum Vitae

Dr. CK Kumbharana

“Vraj Dham”, 48-C

Beh. Talent Land School

Vimal Nagar

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❖ Personal information

- (1) **Name** : Chandresh Karsanbhai Kumbharana
- (2) **Designation** : Associate 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.
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	8	-

❖ 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.	Kunjali 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

❖ Research paper published in International/National Journals	
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
2011-2012	
(6)	Title : The Study of Adoption of Neural Network Approach in Fingerprint Recognition Magazine : 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
2012-2013	
(7)	Title : Perceptual study of behavioral implication of usage of ICT for sustainable e-Governance in Rural India (Pg 179) Magazine : International Journal of Scientific and Research Publication (Volume 2, Issue 4) April 2012 Edition (ISSN 2250-3153) Author(s) : Alpana Upadhyay, Dr. CK Kumbharana ISSN : 2250-3153

(8)	<p>Title : Development of knowledge based framework for agriculture sector: a step towards sustainable e-governance in rural India (pg. 80)</p> <p>Magazine : 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>
(9)	<p>Title : Comparative Study of Different Fusion Techniques in Multimodal Biometric Authentication</p> <p>Magazine : <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>
(10)	<p>Title : Study of Different Off-line Handwritten Character Recognition Algorithms for Various Indian Scripts (0975 – 8887)</p> <p>Magazine : <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>
(11)	<p>Title : Comparative knowledge management framework for strengthening sustainable e-Governance : various sectors of rural India</p> <p>Magazine : Productivity (A journal by National productivity council (under ministry of commerce and industry, Govt. of India)Vol. 53 No. 3, December - 2012</p> <p>Author(s) : Alpana Upadhyay, Dr. CK Kumbharana</p>
National journal	
2010-2011	
(1)	<p>Title : Proxy server optimization: web usage data mining approach (Pg 127)</p> <p>Journal name : Journal of Sciece volume – 1. Published by Commissionerate of Higher Education Knowledge Consortium of Gujarat, University Granth Nirman Board, Govt. of Gujarat</p> <p>Author(s) : Nayan V Jobnaputra, Dr CK Kumbharana</p>

❖ Research paper publications	
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 asarkarkakta 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 Achievement :
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
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)	Title : Online test project 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) Author(s) : Umesh chauhan, Tanna Haripriys, Kothari Astha and CK Kumbharana Achievement : Stood second in the competition (Pre conference symposium)

(5)	Title : Model design of OCX with its working pattern Host name : MERG05 International conference on current trends of information technology during 01,02,03-Oct-2005 Author(s) : Umesh chauhan, Tanna Haripriya, Astha Kothari and CK Kumbharana
(6)	Title : Paper on Computerized Software on Scoring and Analyzing Test Item Responses 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 Author(s) : CK Kumbharana & Dr AD Ambasana
(7)	Title : Attitude Towards Professionalism Of University Teachers 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 Author(s) : CK Kumbharana & Dr AD Ambasana
2006-2007	
(8)	Title : Word Processing: A basic skill for teachers 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 Author(s) : CK Kumbharana, Dr Anil Ambasana

❖ 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 (Publishjed 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) Author(s) : Dr. CK Kumbharana ISBN No : 978-81-923069-3-3

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

❖ 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.

❖ 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.

❖ 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 University, Rajkot during 16 th March 2007.
(8)	Two days workshop on “Network Management using IBM Tivoli” Organized by Department of Computer science and IBM India Pvt. Ltd. New Delhi during 30, 31 th 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.
2012-2013	
(11)	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.
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.

❖ Attendance in short term training program	
No.	Details
2012-2013	
(1)	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

❖ 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.

❖ 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 drashtiye 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

❖ 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

❖ 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. – 218523 (Life member)

❖ Professional Training	
No.	Details
(1)	DCNI D – link certified network integrator: For networking of D – link products at D – link factory. Goa during 04-07/12/01
(2)	Attended one day programme on “D-Link netvision-2003 – towards a networked world” organized by D-Link India Ltd. (Ahmedabad)
(3)	Microsoft India – Academic Developer Program certified “Faculty Training program on .NET technology” Organized by Department of Computer Science, Saurashtra University, Rajkot during 21-Jun-2004 to 25-Jun-2004.
(4)	DB-2 Fundamental course 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)	Open source development tools and Linux platform Organized by Department of Computer Science, Saurashtra University, Rajkot on 25,26,27 October 2005.
(6)	A Sun educational service course in “Developing Applications for the Java EE Platform FJ 310 EE5” by sun Microsystems during 27-07-2008 to 01-08-2008 at AITS Rajkot.

❖ 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)

❖ 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.

❖ 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 advanced C++ 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 core java 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 advanced java 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”

❖ 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.
(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.

❖ 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 GKCK Bosamiya college, Jetpur for M.Sc. (IT & CA) faculty 26-07-2013.
(16)	Worked as a subject expert for selection committee at sun sine college, Rajkot for MCA faculty on 06-01-2014.
(17)	Worked as a judge for paper & poster presentation in synergy - 2014, state level technical competition at Marwadi Education Foundation, Rajkot – 18-01-2014.

(18)	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 23-02-104.
(19)	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.
(20)	Worked as a subject expert for selection committee at Dr. VR Godhanuya College, Porbandar for M.Sc. (IT & CA) faculty 02-03-2014.
(21)	Worked as a subject expert for selection committee at Shree Amreli leuva Patel Cheritable Trust Sanchalit, shree KP Dholakiya Infotech Mahila College, Amreli.
(22)	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.

(Dr. CK Kumbharana)