



## CURRICULUM VITAE

**Dr. MOHAMMAD ATIQUE MOHAMMAD JUNAID**  
**Professor, Computer Science & Engineering,**  
**Post Graduate Department of Computer Science &**  
**Engineering, Sant Gadge Baba Amravati University,**  
**AMRAVATI 44602**

**Area of Specialization** : Real-time Operating System, Soft Computing, Machine Intelligence and Digital Signal Processing

**Official Address** : **Post Graduate Department of Computer Science & Engineering, Sant Gadge Baba Amravati University, AMRAVATI 44602** Mobile No.: 09823724560  
E-mail: [mohammadatique@sgbau.ac.in](mailto:mohammadatique@sgbau.ac.in)

**Residence Address** : G101, "VIMACO ENCLAVE", OPP. I.G.BUNGLOW, CAMP, AMRAVATI 444 602 (MAHARASHTRA STATE)  
Mobile No.: 09011039313E-mail: [mohd.atique@gmail.com](mailto:mohd.atique@gmail.com)  
Alternate Email: [atique\\_shaikh@rediffmail.com](mailto:atique_shaikh@rediffmail.com)  
Home Page: <http://mohdatique.wixsite.com/homepage>

**Professional Qualifications** :

Sr. No.	Degree Obtained & Branch / Specialization	Name of the University/Institute	Year of Passing	Class/ Division
1	<b>B. E.</b> (Computer Science & Engineering)	Amravati University Amravati / Government College of Engineering, Amravati.	1990	First
2	<b>M. E.</b> (Computer Science & Engineering)	Amravati University Amravati / College of Engineering, Badnera, Amravati	1997	First ( First Position in University )
3	<b>Ph. D.</b> (Computer Science & Engineering)	Sant Gadge Baba Amravati University, Amravati / Govt. College of Engineering, Amravati	<b>17.1.2009</b>	N.A.
4	<b>M.B.A.</b> (Human Resource Development)	Y.C.M.O.U., Nashik	2007	First

**Foreign Visit** : Visited Crete Island, **Greece** for attending International Conference and Educational tour during June, 2014 sponsored under UGC Travel Grant Scheme.

### Professional / Research Experience

Teaching Experience :		<b>26</b>	years	Post Ph.D. Experience	<b>08</b>	years
S. No.	Post Held	Designation	YEAR (DURATION)	Last Pay Band and Grade Pay*		
1.	Lecturer (Computer Science & Engineering)	Lecturer (Computer Science & Engineering)	13/09/1991 to 21/09/1997 Duration: 6 Years 7 Days	Pay Scale 8000-275-13500		
2.	Lecturer Senior Scale (Computer Science & Engineering)	Lecturer (Computer Science & Engineering)	22/09/1997 to 21/09/2002 Duration: 5 Years	Pay Scale 1000-325-15200		
3.	Lecturer Selection Grade (Computer Science & Engineering)	Lecturer (Computer Science & Engineering)	22/09/2002 to 22/09/2005 Duration:3 Years	Pay Scale 12000-420-15200		
4.	Govt. College of Engineering, Amravati. Designation: Associate Professor (Computer Science & Engineering)	Associate Professor (Computer Science & Engineering)	22/09/2005 to 08/11/2007 Duration: 2 Years 1 Month	Re-designated as Associate Professor and placed in 37400/- with an AGP of Rs 9000/- from <b>01.01.2006</b>		
5.	Post Graduate Department of Computer Science & Engineering, Sant Gadge Baba Amravati University, Amravati	Associate Professor (Computer Science & Engineering)	08/11/2007to 29/10/2011	Re-designated as Associate Professor and placed in 37400/- with an AGP of Rs 9000/- from <b>01.01.2006</b> basic pay has been protected.		
6.	Post Graduate Department of Computer Science & Engineering, Sant Gadge Baba Amravati University, Amravati	<b>Professor</b> (Computer Science & Engineering)	<b>30/10/2011</b> to Till Date	<b>37400-67000</b> with an AGP of <b>Rs. 10000/-</b> Basic Pay : <b>72210/-</b> ( Total Emoluments : <b>183289/-</b> )		

**Industrial Experience:** **03** Months

Sl. No.	Name of Industry	Designation	Date of Joining	Date of leaving	Salary Drawn
1.	L & T IT, Powai Works, Mumbai	Trainee	16/03/98	6/6/98	Not applicable

## Research and Publications:

- a) Number of Projects Supervised : 19 09 03  
(B. Tech./BE) (M.Tech/M.E.) (M. Phil.)
- b) Number of Ph.D. Scholars supervised : 06 02  
(Completed) (Ongoing)
- c) Number of Publications
- a) International : 38 15  
(Refereed Journals) (Conferences/Seminars/Workshops)
- b) National : 07 21  
(Refereed Journals) (Conferences/Seminars/Workshops)
- d) Number of Books Authored : 01 \*
- e) Number of Patents : 03 \*\*
- f) Book Chapters : 03 \*\*\*

### \*Book Published:

Sr. No.	Title of the Patent Published	Name of Publisher/ ISBN No
1	“Introduction to Digital Signal Processing using SCILAB/MATLAB”	Vikas Publishing House Pvt. Ltd., Noida (UP) India ISBN No.978-93-25984-31-8

### \*\*Patents Published:

Sr. No.	Title of the Patent Published	Application No and Date of Publication
1	OPTIMIZED WEB BASED MEDICAL IMAGE RETRIEVAL SYSTEM USING FUZZY CONNECTEDNESS IMAGE SEGMENTATION WITH GEOMETRIC MOMENTS (FCISGM) AND LOCALIZED ENTROPY BASED IMAGE RETRIEVAL (LEBIR).	Application Number: 4035/MUM/2014 A Date:13/02/2015
2	WIRELESS UNDERGROUND WATER SENSOR NODE	Application Number: 453/MUM/2013 A Date: 12/12/2014
3	MICROCONTROLLER BASED INTELLIGENT INTERFACE FOR DOCUMENT UNDERSTANDING AND WEB BASED INFORMATION RETRIEVAL	Application No.1600/MUM/2015 A Date: 21/10/2016

\*\*\* **Book Chapter Published**

Sr. No.	Title of Book Chapter Published	Title of Book	Name of Publisher/ ISBN No
1	“Medical Image Mining Using Fuzzy Connectedness Image Segmentation: Efficient Retrieval of Patients' Stored Images”	Biomedical Image Analysis and Mining Techniques for Improved Health Outcomes	IGI Global, DOI: 10.4018/978-1-4666-8811-7.ch009
2	Direction Aware Routing Protocol for Delay Tolerant Network: Architecture, Design and Implementation	Routing Protocols and Architectural Solutions for Optimal Wireless Networks and Security	IGI Global, ISBN/ISSN No.: (290714-125631)
3	A Non Redundant Compact XML Storage for Efficient Indexing and Querying of XML Documents	Lecture Notes in Computer Science, Springer	Springer-Verlag Berlin Heidelberg, Germany

**Membership of Professional Bodies**

Professional Body	Member no./ID	Remarks
Computer Society of India (CSI), Mumbai.	SM 0016254	Senior Life Member and Executive Committee Member Amravati Chapter
IETE, New Delhi	F 155640	Fellow and Treasure, Amravati Centre
ISTE, New Delhi	LM 49742	Life Member
IE, India, Kolkata	F133033-5	Fellow Life Member
International Neural Network Society, U.S.A.	M 3768	Member
Member Indian Science Congress, Kolkata	M 32698	Life Member

**Professional Training Received**

Professional Body	Brief on training	Period
IBM, Banglore	One week training on “ <b>AIX 5 L Basics</b> ”	5 <sup>th</sup> June to 8 <sup>th</sup> June 2006
National center for Software Technology (NCST), Juhu, Mumbai	Three Days “Professional Education Course on Networking”	26 <sup>th</sup> June 98 to 28 <sup>th</sup> June 98
Wipro Technologies and Dale Carnegie Training Division	High Impact Teaching Skills	21 <sup>st</sup> and 22 <sup>nd</sup> December 2009
National Board of Accreditation, New Delhi	Outcome Based Accreditation Process and Parameters for Evaluators (NBA evaluator and Trainer)	7 <sup>th</sup> June to 10 <sup>th</sup> June 2014
Sun Microsystems, USA	<b>Sun Certified</b> training program on “Fundamentals of the Java Programming Language (SL110)”,	01-08-2007 to 8-8-2007

### Professional Responsibility / Awards & Recognition / Scholarships:

- i) Position of responsibility in Professional Societies:
  - a) Member of *Executive Committee of IETE*, Amravati Centre since 2005.
  - b) Treasurer *IETE*, Amravati Centre since 2016-18. (Presently working)
  - c) Member of *Executive Committee of CSI*, Amravati Centre since 2015 (Presently working)
- ii) Awards and Recognition including scholarship
  1. Sixth Merit in Maharashtra in S.S.C Examination held in March,1984.
  2. Recipient of *National Merit Scholarship* from 1984 to 1990.
  3. Topped the Maharashtra Public Service Commission Merit list for the post of Lecturer in Computer Engineering, in the Maharashtra Administrative and Teaching Services Class-I Jr.
  4. Recipient of "*Best Paper Award*", from *Computer Society of India, Mumbai* for the paper entitled "Datasec: A Complete System for Data Security", published in CSI communications, December 1994 issue Volume 18 No.6.
  5. Topped the Maharashtra Public Service Commission Merit list for the post of *Professor* in *Information Technology*, and *Professor* in MCA during 2015.

### Academic and Corporate Activities:

1. Member of *Board of Studies in Information Technology*, Sant Gadge Baba Amravtai University, Amravati from July 2007 to August 2017.
2. Member of *Faculty of Engineering & Technology*, Sant Gadge Baba Amravtai University, Amravati July 2007 to August 2017.
3. Member of *Board of Studies in Computer Science & Engineering*, Govt. College of Engineering, Amravati from 2005.
4. Member of *Board of Studies in Computer Science & Engineering*, Govt. Polytechnic, Amravati from 1995.
5. Member of *Ad-hoc Committee of Bio-Medical Engineering*, Sant Gadge Baba Amravtai University, Amravati from 2007 to 2012.
6. Recognized *Ph.D. Supervisor* in *Computer Science & Engineering and Information Technology*, in the faculty of *Engineering & Technology*, S.G.B. Amravati University, Amravati.
7. Recognized *Ph.D. Supervisor* in *Computer Science*, in the faculty of *Science*, S.G.B. Amravati University, Amravati.

8. Recognized ***M.Phil Supervisor in Computer Science***, in the faculty of ***Science*** , S.G.B. Amravati University, Amravati.
9. Referee for ***Ph.D.*** and ***M. Phil*** in Computer Science & Engineering and Information Technology, in the faculty of Engineering & Technology, Shivaji University, Kolhapur.
10. Working as Advisor / Consultant for Rajiv Gandhi Science & Technology Commission Nagpur Center.
11. Member Governing Body as Vice Chancellor's Nominee at Sarswati College, Shegaon.
12. Member District Setu Committee, District Collector office , Amravati.

### **Responsible position / Initiatives**

1. Worked as a Co-ordinator ***Student Access Centre***, S.G.B. Amravati University, Amravati.
2. Worked as an Expert in Staff Selection Committee of Dr. P.D. Polytechnic, Amravati for the selection of Lecturers in Computer Engineering.
3. Worked as an ***Expert in Staff Selection Committee*** of Govt. College of Engineering, Amravati for the selection of Lecturers (on Ad-hoc basis) in Computer Science & Engineering and Information Technology.
4. Worked as a Member of F.E. admission Committee for the year 1994-95, 1995-96, 2002-03, 2003-04, 2004-05, 2008-09 and 2009-10.
5. Worked as an Expert in ***AICTE Committees*** for granting permission to Un-aided Engineering Colleges & Polytechnic.
6. Worked as a Resource Person for ***M.Phil. (Computer Science) and M.Phil. (Applied Electronics)*** at Post Graduate Teaching Department S.G.B. Amravati University, Amravati.
7. Worked as Co-ordinator for online Ph.D. Aptitude Test (PAT) from 2008 to 2011.
8. Member IT Policy Committee, Sant Gadge Baba Amravati University, Amravati.
9. Member, Committee for Computerization of Board of College & University Development (BCUD), S.G.B. Amravati University, Amravati.
10. Member, Committee for Computerization of All Administrative Department of the University.
11. Member e -Awareness Committee, S.G.B. Amravati University, Amravati.
12. Member Ph D Section Computerization and online PET Conduction Committee.
13. Member RUSA, Committee, S.G.B. Amravati University, Amravati.
14. Convener National Science Day 2017 Popular Science & Tech & Valedictory Function.

### TEACHING EXPERIENCE (Courses Taught)

Title of course taught	Postgraduate or Undergraduate	Sole instructor or with others	Year
7SR1 Operating System	Under Graduate	Sole Instructor	1997
3MCA1 Operating System	Post Graduate	Sole Instructor	2017
ETP 102 Soft Computing	Post Graduate	Sole Instructor	2008
2RME3 Advanced Digital Signal Processing	Post Graduate	Sole Instructor	2009
3MCA5 Electronic Commerce	Post Graduate	Sole Instructor	2016
8SR1 Artificial Intelligence	Post Graduate	Sole Instructor	2006
6SR1 System Software	Under Graduate	Sole Instructor	2007
Elective I Real-time Operating System	Under Graduate	Sole Instructor	1997
Elective II Distributed Operating System	Under Graduate	Sole Instructor	1999
7KS01/8SRN1 Digital Signal Processing	Under Graduate	Sole Instructor	1995-2005

### RESEARCH / Ph.D THESIS SUPERVISION

Name of the Student / research scholar	Title of thesis	Doctorate or Master's level	Co-guide(s) (if any)
Mr. R. S. Mangrulkar	A secured energy efficient Routing Protocol for Delay tolerant Heterogeneous network	Ph.D. (Awarded, February, 2016)	-----
Mr. A.D. Raut	Design and Implementation of a new XML query engine with efficient indexing support	Ph.D. (Awarded, August, 2015)	-----
Mr. R.S. Khokale	An Intelligent interface for document understanding and web based information retrieval	Ph.D. (Awarded, March, 2016)	-----
Mr. A. P. Bhagat	A Novel Web Based Medical Image Retrieval System Using Soft Computing Approach in Oracle	Ph.D. (Awarded, March, 2016)	-----
Mrs. Leena H .Patil	Multistage Document Clustering using Soft Computing Approach	Ph.D. (Awarded, March, 2016)	----
Mrs. Pallvi V. Chavan	An intelligent system with secured authentication using hierarchical visual cryptography	Ph.D. (Awarded, March, 2017)	----

### POST GRADUATE M.Tech/ M.E. / M.Phil SUPERVISION

Name of the Student / research scholar	Title of thesis	Doctorate or Master's level	Year of completion (or in progress)	Co-guide(s) (if any)
Ms.R.R.Harne	Edge detection in Digital Image Processing using Fuzzy Logic Technique	M.Tech	2011	-----
Ms. M.M. Ingle	Project Evaluation using Fuzzy Logic and Risk Analysis Technique	M.Tech	2010	-----
Mr.M.D.Ramteke	A Generic Fuzzy Rule Base for Image Segmentation	M.Tech	2011	-----
P.L. Ramteke	Software Engineering Education & Practices: A Case Study	M.Phil.	2011	-----

### DEVELOPING / DEVELOPED NEW COURSES

S. No	Details of new courses
1.	Developed a Course Post Graduate Diploma in Information Technology under Internal Revenue Generation Scheme and generated IRG to the tune of 6.00 lakh / annum at Govt. Polytechnic, Amravati.
2.	Developed a Course Short Term Diploma in Information Technology under Internal Revenue Generation Scheme and generated IRG to the tune of 3.00 lakh / annum at Govt. Polytechnic, Amravati.
3.	As a Member of Board of Studies In Information Technology, S.G.B.A.U, Amravati developed curriculum of various courses like Operating System, Soft Computing etc. for B.E. (Information Technology) and M.E.(Information Technology).

### DEVELOPING / DEVELOPED LABORATORIES

S. No.	Details of Laboratory
1	Language Laboratory at S.G.B. Amravati University, Amravati under State Govt. Grant for Rs. 42.00lakh
2	Establishment of Data Centre, at Govt. College of Engineering, Amravati under TEQIP project Ministry of HRD, Govt. of India.



### SPONSORED/ RESEARCH PROJECTS UNDERTAKEN

Sponsoring Agency	Title of project	Amount of grant	Period	Co-investigators (if any)
State Government	Establishment of Student Access Centre	42,000,00/-	2008-11	----
UGC, New Delhi (Ongoing)	Design Implementation and Evaluation of Scheduling Algorithm for Soft Real-time Task	6,50,000/- (presently ongoing)	2012-15	----

### CONSULTANCY WORK DONE

Organization	Title of project	Amount of grant	Period	Co-investigators (if any)
Buldana District Central Co-operative Bank	Computerization of Bank	85,000/-	January 2006 to June 2007	Prof. A.V. Deorankar
Akola District Central Co-operative Bank	Computerization of Bank	1,25,000/-	December 2005 to June 2006	Dr. P.N. Chatur

### CONTINUING EDUCATION PROGRAMMES CONDUCTED (As a Co-ordinator)

Organization	Title of the program	Period
Wipro Technologies and S.G.B. Amravati University, Amravati.	Mission 10X Faculty Empowerment Programme	21 <sup>st</sup> to 25 <sup>th</sup> December 2009

### SHORT TERM COURSES/WORKSHOPS/SEMINARS/WINTER SCHOOL ORGANIZED (As a Co-ordinator)

Organization	Title of the program	Period
Govt. Polytechnic, Amravati.	Four-week <b>ISTE Winter School</b> on “Computer Awareness”	26-12-95 to 19-01-96
Govt. Polytechnic, Amravati.	Two week Training Program for the Ministerial Staff on “Computer Awareness”	01/08/96 to 14/08/96
Govt. College of Engineering, Amravati.	One week training program on “Computer Hardware Maintenance”, under TEQIP Networking activity	28-12-2005 to 1-1-2006

Govt. College of Engineering, Amravati.	“Computer Hardware Maintenance”, under TEQIP Services to Community activity at Walgaon	26-03-2006 to 28-3-2006
Govt. College of Engineering, Amravati.	<b>Sun Certified</b> training program on “Fundamentals of the Java Programming Language (SL110)”, under TEQIP Staff Training	01-08-2007 to 8-8-2007
Academic Staff College, SGB Amravati University, Amravati	Refresher Course on Basic Science	28/5/2009 to 14/6/2009
Academic Staff College, SGB Amravati University, Amravati	Refresher Course on Computational Science and Applications	4-10-2010 to 20-10-2010
UGC Human Resource Development Centre, SGB Amravati University, Amravati	Short Term Course on Research Methodology	11-09-2017 to 16-09-2017

### LIST OF PUBLICATIONS

S.No.	Papers in refereed journals
1	“A Novel Cache Replacement Scheme using Adaptive Neuro-Fuzzy Inference System for Multimedia Operating System”, published in <i>Journal of the CSI</i> , January-March 2007 issue, Volume No. 37 Issue No.1, pp 60-66. (ISSN No.: ISSN 0254-7813, Website: <a href="http://www.csi-india.org">http://www.csi-india.org</a> ).
2	“CPU Scheduling frameworks in Multimedia Operating System: A Critical Review”, published in <i>Journal of the CSIC October 2006</i> issue Volume No. 30 Issue No.7 pp31-35. (ISSN No.: ISSN 0970-647X, Website: <a href="http://www.csi-india.org">http://www.csi-india.org</a> )
3	“An Intelligent Disk Scheduler for Multimedia Operating System using Artificial Neural Network”, published in <i>Journal of the CSIC September 2006 special issue on Artificial Intelligence</i> , Volume No.30 Issue No.6 pp 40-45. (ISSN No.: ISSN 0970-647X, Website: <a href="http://www.csi-india.org">http://www.csi-india.org</a> )
4	“The Design, Implementation and Evaluation of a new CPU Scheduling Algorithm for Multimedia Operating System”, published in <i>International Journal of HIT transactions on ECCN</i> , July-September 2008 issue, Volume No.2 Issue No. 7 pp 393-402 (ISSN No.: 0973-6875).
5	“Diskette Copy protection – A Practical Approach”, published in <i>Journal of the CSIC</i> , May 1994 issue, Volume 17 No. 11 pp 12-13 (ISSN No.: ISSN 0254-7813, Website: <a href="http://www.csi-india.org">http://www.csi-india.org</a> ).
6	“Disk Mapper”, published in <i>Journal of the CSIC</i> , April 1994 issue, Volume 17 No. 10 pp 19-21. (ISSN No.: ISSN 0254-7813, Website: <a href="http://www.csi-india.org">http://www.csi-india.org</a> ).
7	“Datasec: A Complete System for Data Security”, published in <i>Journal of the CSIC</i> , December 1994 issue Volume 18 No. 6 pp26-28. (ISSN No.: ISSN 0254-7813, Website: <a href="http://www.csi-india.org">http://www.csi-india.org</a> received “ <b>Best Paper Award</b> ” from Computer Society of India, Mumbai.)
8	“A Multitasking Subsystem in DOS”, published in the <i>Journal of the CSIC</i> , January 1997 issue, Volume 20, No.7 pp 6-9. (ISSN No.: ISSN 0254-7813, Website: <a href="http://www.csi-india.org">http://www.csi-india.org</a> ) (Co-authored by M.A.Ali).
9	“A Novel Hybrid Routing Protocol for Mobile Ad-hoc Network” published in <i>International Journal of Advancement in Technology</i> , October 2010 issue, Volume 1, No.2pp 185-196 (ISSN No.:0976-4860) (Co-authored by Mangrulkar R.S.)

10	“Performance Evaluation of Flooding based Delay Tolerant Routing Protocols” published <i>International Journal of Computer Applications</i> , February 2012 issue, Volume 1, No.3 pp 35-40 (ISSN No:0975-8887) (Co-authored by Mangrulkar R.S.)
11	“Simulative Comparison between delay tolerant routing strategies: MAXPROP and PROPHET”, published in the Global Journal of Computer Application and Technology, October 2011 Volume No.4 pp 590-594 ISSN: 2249-1945 (Co-authored by Mangrulkar R.S.)
12	“Design and Implementation of Image Segmentation algorithm”, published in the International Journal on Recent trends in Engineering & Technology, November 2011 Volume No.4 pp 390-394 ISSN: 2158-5563 ACEEE, USA. (Co-authored by A.P.Bhagat).
13	“Design and Implementation of Devnagari Spell checker based on Soundex Phonetic Similarity concepts” published in the Coimbatore Institute of Information Technology International Journal, October 2011 ISSN: 0974-9756.( Co-Author Shaikh Phiroj Chaware)
14	“Neural Network Approach for Web Usage Mining” published in <i>International Journal of Computer Applications</i> , February 2012 issue, Volume 1, No.3 pp 31-34 (ISSN No:0975-8887) (Co-authored by Ms.V. A. Ziple).
15	“Web Usage Mining using Neural Network Approach: A Critical Review”, published in <i>International Journal Of Information Retrieval</i> (Vol.4 No.2 2011), December 2011, pp 45-51(Co-Authored by Ms,V.A. Zilpe)
16	“Efficient querying of Structures and contents for XML Documents” published in <i>International Journal of Computer Applications</i> , Volume 45, No.6, May 2012.U.S.A. ISSN No: 0975-8887 (Co-Authored by Mr. A.D. Raut)
17	“Risk Analysis using Fuzzy Logic” published in <i>International Journal of Advanced Engineering Technology</i> , September 2011, Volume II, issue III, pp 96-99 ,ISSN No: 0976-3945(Co-Authored by Ms. Manisha Ingle)
18	“Implementation and testing of Delay tolerant network using self-capable and routing nodes: A case study”, published in <i>International Journal of Computer Networking, Wireless and Mobile Communications</i> , March 2013 Volume No.: 3 Issue:1, ISSN: 2250-1568, pp 231-244(Co-authored by Mangrulkar R.S.)
19	“Power-aware Sensor Node Design using PSoC”, published in <i>International Journal of Innovative Research in Science, Engineering and Technology</i> , March 2013, Vol.: 2 Issue: 3 pp 1-5,ISSN: 2319-8753 (Co-authored by S.P. Nayse)
20	“Web based Information Retrieval using Fuzzy Logic” pp 62-68, published in <i>International Journal of Soft Computing and Software Engineering</i> , March 2013 issue, Volume 3, No.3 e-ISSN No:2251-7545 (Co-authored by Khokale R.S.)
21	“Design of Intelligent Interface for Document Understanding” published in <i>International Journal of Engineering Research and Technology</i> , June 2012, Vol:1 Issue:4 ISSN: 2278-0181(Co-authored by Khokale R.S.)
22	“Real-time Scheduling for Parallel Task Models on Multi-core Processors- A critical Review” published in <i>International Journal of Advanced Computer Research</i> , December 2012, Volume:2 Number~4 Issue:6 e-ISSN: 2277-7970 (Co-authored by Mahesh Lokhande)
23	“Efficient querying of Root to Leaf Xpath Queries for XML Documents”, published in <i>International Journal of Engineering and Innovative Technology</i> , July 2012, Volume:2 Issue:1, ISSN: 2277-73754 (Co-authored by Atul D. Raut)
24	“DICOM Image Retrieval using Novel Geometric Moments and Image segmentation Algorithm”, published in <i>International Journal of Advanced Computer Research</i> , September 2013, Volume: 3, Number:3,Issue: 12, ISSN: 2249-7277 ISSN online: 2279-7970 (Co-authored by Amol Bhagat)

25	“Web based Image Retrieval System using Color, Texture and shape analysis: Comparative analysis”, published in <i>International Journal of Advanced Computer Research</i> , September 2013, Volume: 3, Number:3, Issue: 12, ISSN: 2249-7277 ISSN online:2279-7970 (Co-authored by Amol Bhagat)
26	“Membership optimization for clustering process in Machine Intelligence – A practical approach”, published in <i>International Journal of Advanced Research in Computer Science</i> , March-April, 2014, Volume: 5, Number:4, ISSN No. 0976-5697 (Co-authored by Asrar Ahmed)
27	“Design and Implementation of Hierarchical Visual Cryptography with expansion less shares”, published in <i>International Journal of Network Security &amp; its applications</i> , January 2014, Volume: 6, Number:1, ISSN No. 0968-5983 (Co-authored by Ms. P. V. Chavan)
28	“Design and Implementation of Energy efficient Routing protocol for wireless sensor networks”, <i>International Journal of Advanced Research in Computer Science</i> , March-April, 2014, Volume: 5, Number:4, ISSN No. 0976-5697(Co-authored by Pawan Jagtap)
29	“An optimal path determination of moving beacons using localized directional routing protocol in Mobile Ad-hoc network”, published in <i>International Journal of Enhanced Research in Science, Technology &amp; Engineering</i> , March, 2014, Volume: 3, Issue:3, ISSN No. 2319-7463 (Co-authored by R.S.Mangrulkar)
30	“Web information retrieval using automatic multi-document summarization”, published in <i>International Journal of Computer Engineering &amp; Technology</i> , March, 2014, Volume: 5, Issue :3, pp 107-114, ISSN No. 0976-6367 (print)0976-6375(online)(Co-authored by R.S.Khokale)
31	“Visual attention key frame extraction for video annotations”, published in <i>International Journal of Computer science Engineering</i> January,2014 Volume:3, No.1, ISSN No. 2319-7323 (Co-authored by Ms.A.V.Ponturwar)
32	“An analysis of transaction management in distributed real-time databases: An overview”, published in <i>International Journal of Innovative Technology &amp; Research</i> , March-April,2014, Volume: 2, Issue : 3, pp:985-990, ISSN 2320-5547 (Co-authored by M.S.Khatib)
33	“A Survey of Indexing Techniques for XML Database”, published in <i>International Journal of Advanced Computer Technology</i> , January 2014, Volume: III, Issue: , ISSN No. 2320-0790 (Co-authored by A. D. Raut)
34	“A new query engine using Novel three dimensional Index for XML documents”, published in <i>International Journal of Computer applications</i> , February 2014, Volume 87, Number: 10 ISSN No.0975-8887 (Co-authored by A. D. Raut)
35	“SEDAR: secured energy efficient destination aware routing protocol in delay tolerant network” pp 272-296, published in <i>International Journal of Communication Networks and Distributed Systems</i> , February 2015, Vol.: 14 No: 3 InderScience Enterprise Ltd., ISSN online: 1754-3924 ISSN print: 1754-3916 (Co-authored by R.S.Mangrulkar)
36	“Medical Image Retrieval using Fuzzy connectedness Image Segmentation: A web based System in Oracle”, published in <i>International Journal of Recent Trends in Engineering &amp; Technology, ACEEE</i> July, 2014 specials issue, Volume 11, No.1, pp 30-42, ISSN 2158-5563 (Online) ISSN 2158-5555 (Print) (Co-authored by Amol P Bhagat)
37	“ A Framework for Automatic Document Understanding for Web Information Retrieval, published in <i>International Journal of Computer Applications</i> , November 2014, Volume: 106, Number:17, pp 32-37, ” ISSN: 0975-8887 (Co-authored by R.S. Khokale)
38	“Web information Retrieval using Automatic Multi-document Summarization”, published in <i>International Journal of Computer Engineering &amp; Technology</i> , March 2014, Volume: 5, Issue: 3 pp 107-114, ISSN: 0976-6367 ISSN online:0976-6375(Co-authored by R.S. Khokale )
39	“Application of Text Classification using text Mining”, published in <i>International Journal of Engineering trends and technology</i> , July 2014, Volume: 13, Number:5, ISSN No. 2231-5381 (Co-authored by Ms. M.P. Mali)

40	“A Survey :An optimal path determination of moving beacons using localized directional routing protocol in Mobile Ad-hoc network”, published in <i>International Journal of Enhanced Research in Science, Technology &amp; Engineering</i> , July, 2014, Volume: 3, Issue:3 ISSN No. 2319-7463 (Co-authored by R.S.Mangrulkar)
41	“A Design of PCB Antenna for Application based wireless sensor node”, published in <i>International Journal of Innovative Research in Computer &amp; Communication Engg.</i> , Vol:2 Issue:6 June 2014 , ISSN No. 2320-9801 (Print) (Co-author by S.P.Nayse)
42	“A Novel Localized Entropy-based Medical Image Retrieval”, published in the <b>IETE Journal of Research SCI Index (Taylor &amp; Francis)</b> August 2016 ISSN: 0377-2063 (Print) 0974-780X (Online) (Co-author by A.P. Bhagat)
43	“Enhancing Bi-Lingual Example Based Machine Translation Approach”, published in <i>International Journal of Advanced Engineering Research and Science</i> , October, 2016, Vol.: 3 Issue No: 10 ISSN online: 2349-6495(P) 456-1908(O) pp 08-12 (Co-authored by Manish Rana)
44	“Evaluation of Equalized Cluster Selection Routing Protocol in Wireless Sensor Network”, <i>International Journal of Advanced Research in Computer Engineering &amp; Technology(IJARCET) Volume 5, Issue 10, October 2016 ISSN: 2278 – 1323</i>
45	“Efficient Web Content Mining using DOM Intersection Method : A web site template detection Approach” published in <i>International Journal of Computing &amp; Technology</i> , October 2015, Volume: 2, Issue:10, ISSN: 2348-6090 pp 419-423 (Co-authored by S.P. Chhaware)

SN	Papers in conference proceedings
1	“A Novel Adaptive Neuro-Fuzzy Inference System Based CPU Scheduler for Multimedia Operating System”, published in the proceedings of <i>International Joint Conference on Neural Network (IJCNN2007)</i> , Orlando, Florida, U.S.A, Jointly organized by IEEE Computational Intelligence Society and International Neural Network Society, during 12-17 August 2007. ( IEEE Catalogue Number: <b>07CH37922C</b> , ISBN No.: 1-4244-1380-X ISSN No.: 1098-7576 available at: <a href="http://www.ieeexplore.ieee.org">http://www.ieeexplore.ieee.org</a> ).
2	“Performance Evaluation of a Novel Adaptive Cache Replacement Scheme for Multimedia Web Operating System”, published in the proceedings of <i>International Conference on Web Engineering and Applications</i> , at Bhubneshwar, Orrisa, during 23-24 December 2006. (Proceedings published by McMillan India Ltd., New Delhi ISBN No.: ISBN-10:0230-63032-4, ISBN-13:978-0230-63032-1 pp 110-117).
3	“An Adaptive Neuro-Fuzzy Inference System for Cache Replacement In Multimedia Operating System”, published in the proceedings of <i>IEEE 4<sup>th</sup> International Conference on Electrical and Computer Engineering (ICECE2006)</i> , organized by IEEE at Bangladesh University of Engineering and Technology, Dhaka, Bangladesh, during 19-21 December 2006. ( IEEE Catalogue Number: <b>06EX1362</b> , ISBN No: 98432-3814-1 pp 286-290 available at: <a href="http://www.ieeexplore.ieee.org/servlet/opac?punumber=4178464">http://www.ieeexplore.ieee.org/servlet/opac?punumber=4178464</a> )
4	“An adaptive Cache replacement framework for Multimedia Operating System”, published in the proceedings of <i>IEEE International Conference on Signal and Image processing</i> , organized by IEEE at Hubli, Karnataka, during 7-9 December 2006. (Proceedings published by McMillan India Ltd., New Delhi ISBN No.: ISBN- 10:0230-63003-0, ISBN-13:978-0230-63003-1 pp 274-278).

5	“A Smart Disk Scheduler for Multimedia Operating System using Artificial Neural Network”, published in the proceedings of <i>PCEA-IFTToMM International Conference on “Recent Trends in Automation and its Adaptation to Industries</i> at PCEA, Nagpur, during 11-14 July 2006 (Website: <a href="http://www.pica2006.org">http://www.pica2006.org</a> paper ID TG-269).
6	“An Intelligent CPU Scheduler using Self-learning Neural Network”, published in the proceedings of <i>The 6<sup>th</sup> International Conference on Cognitive Systems</i> 2004, organized by NIIT, New Delhi from 14 to 15 December 2004 (Website: <a href="http://www.niitcrs.com/iccs">http://www.niitcrs.com/iccs</a> paper ID ICCS2004-320).
7	“Trust Based Secured Ad hoc on Demand Distance Vector Routing Protocol for Mobile Ad hoc Network”, published in the proceedings of <i>International Conference on Wireless Communication and Sensor Networks 2010</i> organized by Indian Institute of Information Technology, Allahabad , 15-19 December 2010 ( IEEE Catalogue Number: <b>CFP1075D-CDR</b> ) ISBN:978-1-4244-9729-4.
8	“Routing protocol for Delay Tolerant Network: A survey and comparison”, published in the proceedings of <i>International Conference on Communication, Control and Computing Technologies</i> (ICCCCT 2010) jointly organized by Syed Ammal Engineering College, Ramanathapuram and St.Xavier's Catholic College of Engineering, Kanyakumari 7-9 October 2010. (IEEE Catalog Number: <b>CFP1044K-ART</b> ) ISBN: 978-1-4244-7769-2.
9	“Medical Image Retrieval, Indexing and Enhancement Techniques: A Survey”, published in the proceedings of <i>International Conference on Communication, Computing &amp; Security</i> (ICCCS2011) (12-Feb-2011 to 14-Feb-2011) Department of Computer Science and Engineering National Institute of Technology Rourkela, Odisha, India (proceedings published by ACM, USA) ISBN:978-1-4503-0464-1(Co-Author: A.P.Bhagat)
10	“Fuzzy connectedness Image Segmentation and Content based Image Retrieval”, published in the proceedings of <i>International Conference On Signal, Image processing and applications</i> (SIA2011) Chennai, India 17-18 December 2011 ISBN 978-1-84626 (Co-Author: A. P. Bhagat).
11	“Design and Development of Systems for Image Segmentation and Content Based Image Retrieval” <i>2<sup>nd</sup> National Conference on Computational Intelligence and Signal Processing</i> , organized Asam Don Bosco University, Guwahati Assam, 2-3 March 2012 , proceedings published in <i>IEEE Explore</i> ISBN 978-1-4577-0719-3 pp 109-113. (Co-Author: A. P. Bhagat).
12	“Medical images: Formats, Compression Techniques and DICOM Image Retrieval A Survey”, published in <i>the International Conference on Devices Circuits and Systems, Karunaya</i> University Coimbatore, Tamil Nadu, 15-16 March 2012 proceedings published in <i>IEEE Explore</i> ISBN 978-1-4577-1545-7 pp 172-176. (Co-Author: A. P. Bhagat).
13	“Web Based Medical Image Retrieval System Using Fuzzy Connectedness Image Segmentation and Geometric Moments”, published in <i>IEEE CPS Proceedings of International Conference on Computational Science and Computational Intelligence</i> March 10-13, 2014, Las Vegas, USA. (Co-authored by A. P. Bhagat).
14	“Comparative Study of ECHERP and Hierarchical Routing Protocol” published in <i>IEEE International Conference and Workshop on Electronics &amp; Telecommunication Engineering</i> ISBN:979-1-5673-4529-8 Vol:248 pp199-206 (Co-Author : SangeetaVhatkar)
15	“Comparative Study of MBC and Hierarchical Routing Protocol” published in <i>IEEE International Conference and Workshop on Electronics &amp; Telecommunication Engineering</i> ISBN : 978-1-8611-1 (Co-AuthorSangeetaVhatkar)

S.N.	Papers in Seminar / Workshops
1	“Computer network security: The DEDS Approach”, published in the proceedings of the <b>25<sup>th</sup> Mid Term Symposium on Electronic Accesses and Security System</b> , organized by IETE Calcutta center, 9 to10 April 1994.
2	“Use of knowledge Base Expert System for Seismic Risk Evaluation”, published in the proceeding of <b>International Conference on Earthquake Engineering</b> , organized by University of Roorkee, Roorkee, U.P., 16-18 November 1994.
3	“Load Forecasting Through Different Methods – A Combined Approach”, published in the proceeding of seminar on Electrical Power System, organized by Govt. College of Engg., Amravati & M.S.E.B Amravati, 18-19 November 1994.
4	“An Intelligent Information Retrieval System”, published in the proceeding of Regional Conference of Indian Library Association, organized by Govt. College of Engg., Amravati on 10-11 June 1995.
5	“Another Alternative to Back-propagation: A New Algorithm for Training Perception”, published in the proceedings of <b>International Conference on Cognitive System 97</b> , organized by NIIT, New Delhi from 13 to 15 December 1997, Volume I pp 102-107, published by Allied Publisher, New Delhi (ISBN 81-7023-746-7 Website: <a href="http://www.niitcrs.com/iccs">http://www.niitcrs.com/iccs</a> )
6	“Virtual Laboratories in Engineering Educational Institute: Need of the hour”, published in the proceedings of III Maharashtra-Goa state ISTE convention on “Impact of Globalization on Institute-Industry partnership”, organized by ISTE, New Delhi from 31st Oct. to 1st November 1998.
7	“Exploring Information Technology through All Aspects of Life” published in the proceedings of Technical Paper Conference on “Future trends in Engineering and Technology”, organized by Govt., Polytechnic, Amravati on 17th march 2001.
8	“Impact of Internet on Marketing Strategies”, published in the proceedings of Technical Paper Conference on “Future trends in Engineering and Technology”, organized by Govt., Polytechnic, Amravati on 17th march 2001.
9	“Real-time System: An overview”, published in the proceedings of National Seminar on <b>ACWE-2004 Achieving World Class Excellence: Education &amp; Industry</b> , organized by Yashvantrao Chavan College of Engineering, Nagpur and sponsored by AICTE, New Delhi, from 26 <sup>th</sup> to 28 <sup>th</sup> November 2004.
10	“A Critical Review of Disk Scheduling algorithms for Multimedia Operating System”, published in the proceedings of IX Maharashtra-Goa state ISTE convention on “Revamping Technical Education to make it synergistic with Information Revolution”, organized by ISTE, New Delhi on 4th - 5th February 2005.

11	“Resource Scheduling in Multimedia Operating System: A Review of the literature and future research directions”, published in the proceedings of <b>40<sup>th</sup> Annual National Convention of CSI</b> on “ICT for National development”, organized by of Computer Society of India at Hi-tech City, Hyderabad, during 9-12 November 2005. (Website: <a href="http://www.csi2005.org">http://www.csi2005.org</a> pp 725-737).
12	“Risk Analysis using Fuzzy Logic – A Review”, published in the proceedings of National Conference on Advances in Computing (NCAC 2011), organized by North Maharashtra University, Jalgaon 24-25 February, 2011
13	“Risk Analysis using Fuzzy logic – A comparative study” published in the proceedings of National Conference ABHUDAY 2011, organized by Priya Darshini College of Engineering, Nagpur 26-27 February 2011.
14	“Edge Detection in Digital Images Using Fuzzy Logic Technique – A Review”, published in the proceedings of National Conference on Recent Trends In Technology, organized by J.T Mahajan College of Engineering, Faizpur from February 03 - 04, 2011.
15	“Edge Detection in Digital Images Using Fuzzy Logic Technique & FIS Editor Tool in MATLAB” , published in the proceedings of National Conference on Advances in Computing organized by North Maharashtra University, Jalgaon 24-25 February, 2011
16	“Edge Detection in Digital Images Using Soft computing”, published in the proceedings of National Seminar on Advances in Computational Mathematics, organized by Rajarshi Shahu Mahavidyalaya, Latur from February 23 - 24, 2011.
17	“Edge Detection in Digital Images Using Fuzzy Logic Technique”, published in the proceedings of National Student’s Convention JIGYASA – 11, organized by Priyadarshini College of Engineering, Nagpur from January 28 – 30, 2011.
18	“Risk Analysis using Fuzzy logic”, published in the proceedings of National Conference on Evolving Ideas: Computing, Communication and Networking, organized by Amarapali Institute of Technology & Science, Nainital 05- March 2011.
19	“Edge Detection in Digital Images Using Fuzzy Logic Technique & FIS Editor Tool in MATLAB”, published in the proceedings of National Conference on Innovations Trends In Computer and Communication Engineering, organized by MET’s Institute of Engineering, BKC Nashik from February 25 -27, 2011.
20	“Image segmentation with statistical features and fuzzy inference system”, published in the proceedings of International conference on emerging trends in soft computing and ICT (SCICT 2011), organized by Guru Ghasidas Vishwavidyalaya, Bilaspur (CG) 16-17 <sup>th</sup> March, 2011.
21	“Image Segmentation with Fuzzy Rule based implementation”, published in the proceedings of National Conference on Trends in Signal Processing and Communications (TSPC 2011) organized by Bhagwat Institute of Technology, Muzzafarnagar (UP) 10-12 <sup>th</sup> March, 2011.



## SHORT TERM COURSES/WORKSHOPS/SEMINARS CONFERENCES ATTENDED

Organization	Title of the program	Period
College of Engineering, Badnera	Two Week ISTE STTP on “Digital Computer Network ”	17/10/2002 to 30/10/2002
Govt. College of Engineering, Amravati	Two Week ISTE STTP on “Micro controller & their applications”	15/3/2004 to 7/3/2004
College of Engineering, Badnera	Two Week ISTE STTP on “XML for knowledge Representation”	31/3/2004 to 12/4/2004
Govt. College of Engineering, Amravati	One Week ISTE STTP on ”Biomedical Equipment Technology”	16/6/2003 to 20/6/2003
Technical Teachers Training Institute, Bhopal	One week “Regional Program on PADS”	8-12 October 2001
Technical Teachers Training Institute, Bhopal	One week training program on “Online Learning”	3-9 September 2001
Govt. College of Engineering, Amravati	One week training on “HTML and Web Page Design”	18-6-2001 to 22-6-2001
ICFAI, Amravati	One day workshop on “SPSS Utility”	25 <sup>th</sup> September 2005
Faculty and Staff development Cell (TEQIP), Govt. College of Engineering, Amravati	One week training on “Creativity and Innovation for survival and Growth & Patenting in India and Abroad”	17 <sup>th</sup> October 2005 to 21 <sup>st</sup> October 2005
Faculty and Staff development Cell (TEQIP), Govt College of Engineering, Amravati and Education Technology and Management Academy, New Delhi	One week faculty development programme on “ <i>Improving personal effectiveness and Excellence Programme on (I-PEEP)</i> ”	22 <sup>nd</sup> May 2006 to 26 <sup>th</sup> May 2006
PRMIT, Badnera & IETE, Amravati sub-center	Two day seminar on “ICE: Information, Communication and Education”	5 <sup>th</sup> August to 6 <sup>th</sup> August 2006
Govt. College of Engineering, Amravati	Three day training under TEQIP on “Java Development Tools”	6 <sup>th</sup> March 2007 to 8 <sup>th</sup> March 2007
Govt. College of Engineering, Amravati and Unisoft Technologies, Nagpur	Six week training program on “Redhat Linux”	10 <sup>th</sup> March 2007 to 19 <sup>th</sup> April 2007

Department of Bio-Technology, S.G.B.A.U., Amravati.	Training program on Bioinformatics and Information Technology	28-12-2007 to 30-12-2007
Prof. Ram Meghe College of Engineering & Mangement, Badnera and Sipna's C.O.E. & Technology, Amravati.	One week Induction Training Program for Teachers	01-06-2010 to 5-6-2010
Students Welfare Department Career & Counseling Cell	Massive Training Program to University and College Counselors	06-09-2010 to 07-09-2010
Govt. College of Engineering, Amravati	Two week ISTE STTP on "Energy conservation and sustainable development"	21-06-2010 to 02-07-2010
Shri Shivaji Science College, Amravati and Indian Institute of Technology, Kanpur.	Two days Workshop on Educational Resource Planning	25-2-2012 to 26-2-2012
Govt. College of Engineering, Amravati.	One week Short Term Training Program on "Energy Conservation Opportunities in Small & Medium Scale Industries"	23-04-2012 to 28-04-2012
Shri Shivaji Science College, Amravati and Indian Institute of Technology, Kanpur.	Two days Workshop on Educational Resource Planning	25-2-2012 to 26-2-2012
Prof. ram Meghe Institute of Technology & Research, Badnera	Two week Short Term Training Program on "Real-time Embedded System"	01-04-2011 to 10-04-2011
S.G.B. Amravati University, Amravati.	One day Workshop on "Right to Information Act 2005"	27-03-2012
Academic Staff College, S.G.B. Amravati University, Amravati.	One day workshop on "Academic Performance Indicator System"	23-06-2011
CDEEP, IIT Bombay and S.G.B. Amravati University, Amravati.	One day training Programme For Science & Engineering Teachers	8 <sup>th</sup> August 2009
PRMIT & R, Badnera	AICTE Sponsored Faculty Development Program on Network Security	15 <sup>th</sup> to 26 <sup>th</sup> April 2013
Prof. Ram Meghe College of Engg & Mangement, Badnera	Training Program on "Intellectual Property Right"	4-5-2016 to 6-5-2016
Sant Gadge Baba Amravati University, Amravati	Training program on "Sexual Harassment of Women at Work Place"	9-2-2017
Savitribai Phule Pune University, and SPD, RUSA, Mumbai	"Promoting Research and Innovation in Technology"	7-11-2017