

Shrimati Narsamma Arts, Commerce and Science College
Kirannagar, Amravati

Faculty Profile

- 1. Name** : Dr. Bhavana Shyamkant Karmore.
2. Address (residential) : 37, Subhash Colony, Farshi Stop, Amravati.
3. Phone No : Mob. 9970909262
4. E-mail address : bhavana.k.barbudhe@gmail.com
5. Designation : Assistant Professor, Dept. of Comp. Sci.
6. Department : Computer Science
7. Date of birth : 18th February, 1983.
8. Area of specialization : Mobile Computing.
9. Academic qualification:



Examination passed	University	Subject/ Specialization	Year of passing	Division/ Grade/ Merit
Bachelor of Computer Science (BCS)	Sant Gadge Baba Amravati University, Amravati.	Computer Science	2004	I
Master of Science (M.Sc.)	Sant Gadge Baba Amravati University, Amravati.	Computer Science	2007	II
Ph.D.	Sant Gadge Baba Amravati University, Amravati.	Mobile Computing (A Robust Secured Mechanism for Mobile IPv6 Threats)	15/02/2020	-----

10. TEACHING EXPERIENCE (14 YEARS FOR P.G COURSE)

Courses Taught	Name of the University/ College/ Institution	Duration
M.Sc & B.Sc	Smt. Narsamma Arts, Commerce and Science College, Kiran Nagar, Amravati	1 st August, 2016 to Till Date.
MCA & BCA	Dr. Babasaheb Nandurkar College of Physical Education, Yavatmal	June 2008 to May 2016.

11. Publication

- **IEEE CONFERENCE**

Sr. No	Name of the Conference	Place and Name of the Sponsoring Agency	DOI	Date
1.	Comparative Analysis of Security Mechanism of Mobile IPv6 Threats against Binding Update, Route Optimization and Tunneling	IEEE conf. ICAST-2014, Covenant University, Ota, Nigeria,	DOI: 10.1109/ICASTECH .2014.7068120, Page(s): 1 - 7.	29-31 Oct. 2014
2.	Comparison of Mechanisms for Reducing Handover Latency and Packet loss problems Of Route Optimization in MIPv6	IEEE Conference, CICT-2015, Ghaziabad	DOI:10.1109/CICT. 2015.119, Page(s): 323 - 329	13-14 Feb.2015

- **INTERNATIONAL JOURNAL**

Sr. No	Name of the Journal	Place and Name of the Sponsoring Agency	ISSN No.,Vol , Issue	Date
1.	A Robust Secured Mechanism for Mobile IPv6 Threats”.	International Journal of Engineering Research and Applications (IJERA)	ISSN: 2248-9622 Vol. 2, Issue 6, Page(s): 918-921	Nov.-Dec. 2012
2.	Mobile IPv6:Threats and Solution	International Journal of Application or Innovation in Engineering & Management (IJAIEM)	ISSN 2319 -4847 ,Volume 2, Issue 6	June 2013.
3.	Mobile IPv6 Route Optimization Protocol	Int’l Journal of Computer Trends and Technology (IJCTT)	volume 4 Issue 7, Page(s): 2087-2092	July 2013.
4.	Review: Security Mechanism of Mobile Ipv6 Threats against Binding Update	Int’l Journal for Research in Applied Science &Engineering Technology (IJASET)	Volume 5, Issue IX, Page(s): 665-672	September 2017.

5.	Survey on Route Optimization mechanism in Network Mobility	Int'l Journal of Engineering Development and Research (IJEDR)	Volume 5, Issue 3, Page(s): 1051-1055	September 2017
6.	Steganography for Colored Images	Int'l Journal of Electronics, Communication & Soft Computing Science and Engineering (IJECSCE)	ISSN: 2277-9477, Volume 2, Issue2, Page(S): 42-46.	5 July,2015
7.	Polynomial Based Compromise Resilient En-Route Filtering Scheme Against False Data Attacks Networked Systems	Int'l Journal of Electronics, Communication & Soft Computing Science and Engineering (IJECSCE)	ISSN: 2277-9477, Volume 4, Issue 4, Page(S):6-13	6 Sep,2015

• **INTERNATIONAL / NATIONAL CONFERENCE**

Sr. No	Title of the Research Paper	Name of the Conference	Date	Place
1	Video stabilization and motion detection	National Conference on Speech,Image and Video Processing	10-11 Jan.2008	Shegaon (MS)
2	Recent Advances in Mobile Cloud Computing	ETCIT, 19-20	Sept. 2008	College of Engg, H.V.P.Mandal, Amravati. (MS).
3	Data Warehousing & OLAP Technology	National Conf-NCFCA-2009	22-24 December 2009	AISSMS,Pune.
4	Mobile Computing	TECHNIZZMA-10	20 th , Aug,2010	H.V.P.M's College of Engineering & Technology, Amravati.

5	Importance of Legal Literacy in growth and Development in India	National Conf.- BALWAN BHARAT-12	7-8 January,2012	Dr.BNCPE, Yavatmal.
6	Security and Privacy for Group Data Sharing	IJCA Proceedings on National Conference on Recent Trends in Computing NCRTC(9)	6-8, May 2012.	
7	Mobile IPv6 Security Threats and Solution	Int'l Conf.- GTIEAM-2013	21-23 March 2013, JDCOE	Nagpur.
8	Image Error Concealment technology using boundary Matching Algorithm & Recovery of Corrupted Image Databased on the FEC	Int'l Conf.-EESPP-2013	15 th Feb,2013	Shree Shankar Prasad Agnihotri College of Engg., Wardha
9	Mobile Ipv6 security threats and solution	PRAJWALAN13	15-16 Feb, 2013	Government college of engineering, Amravati.
10	Mobile computing	National level Convention(DRIS HTI)	Feb-15-16,2013	TulsiramjiGaikwad -Patil college of engineering and Technology, Nagpur,
11	TECHNICAL CHALLENGES AND INNOVATIVE IN ELECTRICAL ENGINEERING-2020(NCTCIEE-2020)	Online National Conference	11 th May,2020	JAGDAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

12	Digital Image Processing Using Scilab	National E-Conf. on Innovative Research in Electronics & Technology	15 th May,2020	Yavatmal
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• **WORKSHOP/FDPs/STTPs/WEBINARs ATTENDED**

Workshop	Place
Two Days Workshop on “C# .Net using Visual Studio 2005”	P.G.Deptt. of Computer Science and Tech., H.V.P.Mandal, Amravati on 6-7 March 2009.
AICTE sponsored two weeks Staff Development Programme on “Manufacturing Automation and Mechatronics”	Deptt. Of Information Technology, SATI, Vidisha (M.P). during 06 th -18 th July 2009.
One-week STTP on “Trends in Image and Video Processing”	Deptt. Of Electronics & Communication Engg., Parul Institute of Engg. & Technology, Limda, Waghodia, Vadodara (Gujrat), during 27 th April to 1 st May. 2010.
One day workshop on “Effective Research Methodology”	P.R.Pote college of MCA , Amravati during 8 th Dec ,2012.
One day Workshop on “Speech recognition Technology”	Dr. BNCOET, Yavatmal during 4 th March,2012.
One day workshop on “Effective Research Methodology”	Department of Computer Science & Technology, Dr. BNCPE, Yavatmal during 23 rd March, 2013
UGC SPONSORED One day National Seminar on “NANOTECHNOLOGY AND NANOENGINEERING(NSNN-2016)”	Arts, Commerce and Science College, Kiran Nagar, Amravati during 29 th September,2016.
Two day National Level workshop on “NETWORK SIMULATOR-3”	Mauli Group of Institution’s, College of Engineering & Technology, Shegaon during 5 th & 6 th May 2017.

One day workshop on “Digital India and E-Banking Knowledge”	Arts, Commerce and Science College, Kiran Nagar, Amravati during 16 th September, 2017.
One day workshop on “SWAYAM (Free Online Education)”	Arts, Commerce and Science College, Kiran Nagar, Amravati during 09 th Feb, 2019.
One day workshop on “Digital Education”	Arts, Commerce and Science College, Kiran Nagar, Amravati during 18 th Dec, 2019
One Week Online FDP on “Python”	M.C.A. Department, PRPCE &M, Amravati in association with Spoken Tutorial, IIT-Bombay from 23 rd April 2020 to 27 th April, 2020.
One Week Online FDP on R Programming	M.C.A. Department, PRPCE &M, Amravati in association with Spoken Tutorial, IIT-Bombay from 27 th April 2020 to 1 st May 2020.
Three days Online Research Methodology Workshop	REST SOCIETY FOR RESEARCH INTERNATIONAL (RSRI), Tamil Nadu, India during 12 th April, 2020 to 14 th April, 2020.
Online Quiz on COVID-19	SIPNA COLLEGE OF ENGINEERING & TECHNOLOGY, AMRAVATI.
Online Awareness Quiz on COVID-19 Pandemic Diseases	Department of Computer Engineering at JAGAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL.
Online Quiz on “Computer Fundamental”	H.V.P.M’s COET, Amravati.
One-week online faculty development program on “RESEARCH METHODOLOGY AND TOOLS”	Department of Computer Engineering at SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, NASHIK during 11 th May to 15 th May, 2020

Online Faculty Development Program on “FUZZY SETS AND SYSTEMS”	Department of mathematics (Shift-II) at PATRICIAN COLLEGE OF ARTS & SCIENCE, CHENNAI during 16 th may, 2020.
Successfully Completed Module “3.3 HOW TO PEER REVIEW A REVIEW ARTICLE” presented by Matt Pavlovich(Eleseviers)	Matt Pavlovich(Eleseviers) on 17 th May, 2020.
Successfully Completed Module “WHY WRITE A BOOK”	Matt Pavlovich(Eleseviers) on 17 th May, 2020.
Successfully Completed Module “HOW TO GET YOUR BOOK PUBLISHED”	Matt Pavlovich(Elseviers) on 17 th May, 2020.
Webinar of “ADVANCE EXCEL”	Organized jointly by Akash Techno labs and Sigma Institute of Engineering, Vadodara during 25 th & 26 th May,2020.
International power webinar on “DIGITAL MARKETING AND GROWTH HACKING”	GURU NANAK INSTITUTE OFTECHNOLOGY, NAGPUR in association with NSDM, Pune on 29 th May, 2020.
“Expert Talks Webinar Series in Computer Science”	Dept.of Comp. Sci at Narsamma College, Amravati during 1 st to 7 th Feb, 2021.
Webinar on “Social and Health Issues of Indian Women”	Woman Cell & M.T.N.S, Narsamma College, Amravati during 8 th March, 2021.

• **EBOOKS PUBLISHED**

1. Computer Network and Data Transmission (Basic of Computer Network and Data Transmission), ISBN NO. 978-620-0-65304-8 Publisher Details LAMBERT Academic Publishing.
2. Digital Communication System and Application, ISBN NO. 978-620-0-65493-9 Publisher Details LAMBERT Academic Publishing.
3. Software Project Management (Brief Study of Software ProjectManagement),ISBN NO. 978-620-0- Publisher Details LAMBERT Academic Publishing.
4. Relational Database Management System (Basic of Relational Database Management System) ISBN NO. 978-620-0-65506-6 Publisher Details LAMBERT Academic Publishing.

5. Wireless Communications and Networks (Basic Wireless Communications and Networks), ISBN NO. 978-620-0-65302-4 Publisher Details LAMBERT Academic Publishing.
6. Mobile Computing Technique (Basic of Mobile Computing Technique), ISBN NO. 978-620-0-65291-1 Publisher Details LAMBERT Academic Publishing.
7. Data Communication System (Basic Data Communication System), ISBN NO. 978-620-0-58925-5 Publisher Details LAMBERT Academic Publishing.
8. Cryptography and Network Security (Basic of Cryptography and Network Security), ISBN NO. 978-620-0-65261-4 Publisher Details LAMBERT Academic Publishing.
9. Computer Network (Basic Computer Network), ISBN NO. 978-620-0-58816-6 Publisher Details LAMBERT Academic Publishing.
10. Mobile Communication (Basic of Mobile Communication), ISBN NO. 978-620-0-65541-7 Publisher Details LAMBERT Academic Publishing.
11. Network Analysis, ISBN NO. 978-620-0-58480-9 Publisher Details LAMBERT Academic Publishing.
12. Analog Communications, ISBN NO. 978-620-0-78284-7 Publisher Details LAMBERT Academic Publishing.

12. KEY RESPONSIBILITIES HANDLED:

- ❖ Member of The Society of Digital Information and Wireless Communication (SDIWC).
- ❖ Coordinator for the admission and propagation committee.
- ❖ Professional Placement Recruiter. (Responsible for Full Life Cycle Recruitment and Interviewing of candidates to identify qualified candidates based on skills, knowledge, education, experience)
- ❖ Coordinator of CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION of National Accreditation and assessment Committee's SSR Preparation Committee of College.
- ❖ Coordinator for the works concerned with All India Council for Technical Education, New Delhi.
- ❖ Convener, State level workshop on "Effective Research Methodology" Feb 2012.
- ❖ Youth Festival Manager & event coordinator for the year-2010, 2011, 2013. (Youth Festival of Sant Gadge Baba Amravati University, Amravati.)
- ❖ Guided more than 150 students of MCA and M.Sc for Project Development.
- ❖ Worked as a Paper Setter, Valuer, Moderator and Internal and External Examiner for MCA, M.Sc and B.Sc for S.G.B. University, Amravati.

- ❖ MCA Course Coordinator of the college.
- ❖ In charge of Industrial Tour for MCA, BCA Students.
- ❖ Organize various events to enhance the skills of students.
- ❖ Academic calendar In-charge of the college.
- ❖ Attended meeting at Sant Gadge Baba Amravati UniverUniversity, Amravatifor finalizing timetable of MCA practical exam.
- ❖ Awarded as the “Best faculty” for the year 2011-12, 2012-13 & 2013-14.
- ❖ Co officer for the YCMOU exam at Chandur Bazar center.
- ❖ Delivered Expert lecture on
 1. “Carrier Guidance”.
 2. “Placement Preparation”
 3. “Effective Research Methodology”.
 4. “How to Write Good Research Paper”.
 5. “How to Prepare Research Proposal”.

13. Research Interest, Project & Seminar

- ❖ Research Interest in Mobile Computing, Network Security, IP layer Security, Cyber Security, and Networking.
- ❖ Developed project on “**Steganography**”.
- ❖ Delivered seminar on “**Longhorn operating System**”.

14. Technical Skill

- ❖ Programming: C,C++, Advanced Java, VB, ASP, JSP, VB Script, Java Script, PHP, MATLAB 7
- ❖ Web Technologies: HTML, XHTML, XML.
- ❖ OS handled: MS-Windows 95/98/2000/XP, UNIX, Linux.
- ❖ Database Platforms: Oracle9i.
- ❖ Internet auditing Techniques, Penetration testing and tools.