



CURRICULUM VITAE

• **Name** : **Dr. Bhojaraj Hanumant Barhate**

• **OVERVIEW**

Teaching Experience : 27 Years

Current Designation : Professor (Computer Science)
Bhusawal Arts, Science and P. O. Nahata Commerce
College, Bhusawal

Qualification : M.C.S., M.B.A (System and IT),
Ph.D. (Computer Science)

• **RESEARCH :**

(PG Recognised Teacher, Ph.D Guide)

Ph.D: Title “ Development of Information Security Algorithms through
Cryptography and Steganography.

Date of Reg.: 20th January 2012

Date of Pre-Viva: 18th January 2017

Date of Final Thesis Submission: 02nd February 2017

Awarded Date: 14th August 2017

Ph.D Students Registered : 06

- **Work contribution in college :**

1. Vice-Principal
2. HoD – Information Technology, BCA
3. Nodal Officer: B.Voc courses
4. IQAC Coordinator
5. Steering Committee Coordinator
6. Online Admission Resource Center Coordinator

- **BASIC QUALIFICATION:**

M.C.S. : 55.04% (Year 1995 Data System Research Foundation , Pune Unversity , Pune.

M.B.A.(System and Management) : (Year 2007, Tilak Maharashtra University, Pune, First Class)

WORK EXPERIENCE DETAILS

Organization	Location	Designation	period
TES's Bhusawal Arts,Science and P.O.Nahata Commerce College, Bhusawal	Bhusawal	Associate Professor	01 September 1995 to till date

Research Publication:

Sr No.	Dates of Activity/ year of publication	Title of the paper	Name of the journal/ Academic fourum	Level/type of journal	ISBN/ISS N no
1	April 2008	CRM for data mining	Research link	National	ISSN-0973-1628
2	March 2009	Improving services of banking through e-commerce	Research link	National	ISSN-0973-1628
3	Nov-2009	Applications of IT	Shodh Samikha	International	ISSN

			aur Mulayankan		0974-2832
4	2010	Preservation – A Beneficial tool for Digital Library	Shodh Samikha aur Mulayankan	International	ISSN 0974-2832
5	2011.	Software Defects Identification ,Prevention & Amplification in SDLC phases	International Journal in Computer Application and Management (IJRCM)	International	ISSN-2231-1009
6		Software Inspection Improves Quality of Software Product	, International Journal of Computer Science and Informatics (IJCSI)	International	ISSN 2231 – 5292
7	Oct. 2011	Data mining and CRM create Intelligence in Business	PLATINUM	Peer Reviewed National	ISSN : 2231-0096
8		Knowledge Management supports to IT	Vision Research National Journal	National	ISSN: 2250-2025
9	December 2011	Reviews and Inspection Improves Software Quality	International Journal of Computer Engineering and Software Technology (IJCEST)	International	ISSN 2229 – 3086
10	June 2013	Implementation of Information Security Algorithms for Databases by SQL Server	International	International	ISSN 2279-073x
11	July 2015	Audio Steganography using Combination of LSB and Key for Images, Audio and Text Messages	International Journal of Emerging Technology and Advanced Engineering(IJE TAE)	International	ISSN 2250-2459
12	August 2015	Implementation of Effective , Robust and BPCS Data Embedding using LSB innovative Steganography Method	International Journal of Emerging Trends & Technology in Computer	International	ISSN 2278-6856

			Science (IJETTCS)		
13	July 2015	Audio Steganography using Combination of LSB and Key for Images, Audio and Text Messages	International Journal of Emerging Technology and Advanced Engineering(IJE TAE)	International	ISSN 2250-2459
14	August 2015	Implementation of Effective , Robust and BPCS Data Embedding using LSB innovative Steganography Method	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)	International	ISSN 2278-6856
15	October 2015	Comparative Analysis and Measuring Qualitative Factors using Colour and Gray Scale Images for LSB and DCT- Mid Band Coefficient Digital Watermarking	International Journal of Computer Applications (0975 – 8887)	International	
16	15 October 2016	Hybrid Stegnography and image encryption using Visual Cryptography		International	ISSN-2454-7719
17	9 December 2016	Image Steganography by Huffman encoding and LSB	National Conference on CTCSIT-2016	National	ISSN-2231-0096
18	7 October 2017	A Survey of Possible attacks on Text and Graphical password authentication technique		International	E-ISSN-2320-7639
19	7 October 2017	A review paper on Data Hiding technique: Steganography		National	E-ISSN-2320-7639
20	December -2017	Optimal Implementation of Closed High Utility Itemsets Discovery with Timespan Consideration	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)	International	ISSN-2278-6856
21	March 2020	Digital Image processing in Biotechnology for	IJCSC	International	ISSN:0973-7391

		Environment Protection			
22		Securities To Big Data Analytics		International	ISBN :978-93-89835-81-6
23		Analyze the Impact of Landslide Using High-D Tool	IJCST	International	ISSN: 2347-8578
23	Year 2020-2021	Review of Detection of fruit diseases using Image processing and Machine Learning Techniques. pp-10-14	International Journal of Computer research and Technology	International	ISSN-2454-7719
24		Big Data Analytics: Current Scenario Review pp-59-64	International Journal of Computer research and Technology	International	ISSN-2454-7719
25		Comparative study of Various Steganography Techniques: A Literature review Pp 65-72	International Journal of Computer research and Technology	International	ISSN-2454-7719
26		Melanoma Skin Cancer Detection using Image Processing Techniques : A Review Pp39-44	Platinum	International	ISSN 2231-0096
27	Year 2021-2022	Cryptography & Steganography Techniques : A Survey pp-5-11	Research Journey International e-journal	International	E-ISSN – 2348-7143
28		Big Data - Concepts, Analytics and Security : Overview pp-52-58	Research Journey International e-journal	International	E-ISSN – 2348-7143
29		Implementation of CRYPTO-	Vidyavarta	International	ISSN-

		STEGNO Model for Information Security using AES and LSB Algorithms	Peer reviewed		2319-9318
30		Green Packaging – A Way to Sustainable Development	Journal of Information and Computational Science	International	ISSN: 1548-7741

Books:

Sr. No	Title of the chapter/ article and book	Publisher and place	Publication year	ISBN/ISSN no.	Page nos. (for article or chapters)
1	A text book of Computer Science	Prashant, Jalgaon	2013	ISBN 978-93-81546-64-2	5 Chapters
2	Programming in C++ [I]	Prashant, Jalgaon	2013	ISBN 978-93-82528-43-2	2 Chapters
3	Programming in C++ [II]	Prashant, Jalgaon	2014	ISBN 978-93-82414-93-3	2 Chapters
4	Advanced DBMS	Prashant	2014	ISBN 978-93-84228-33-00	
5	Programming in C#	Prashant	2014	ISBN 978-93-84288-37-8	
6	Java Programming I	Prashant	2014	ISBN 978-93-85021-05-	
7	Basics of Microprocessor and Computer Network	Prashant, Jalgaon	2015	ISBN 978-93-85021-05-6	5 Chapters
8	Java Programming II	Prashant, Jalgaon	2015	ISBN 978-93-85021-06-0	2 Chapters
9	SQL Server 2008	Prashant,	2015	ISBN 978-93-	2 Chapters

		Jalgaon		85021-01-5	
10	ASP.Net	Prashant, Jalgaon	2015	ISBN 978-93- 85021-05-3	
11	C Programming- I	Prashant	2015	ISBN 978-93- 85021-76-3	2 Chapters
12	C Programming- I	Prashant	2015	ISBN 978-93- 85019-75-3	2 Chapters
13	OOPS and Introduction to C++	Prashant	2016	ISBN 978-93- 81546-52-9	2 Chapters
14	Data Structure	Prashant	2016	ISBN 978-93- 82414-46-9	2 Chapters
15	VB .NET	Prashant	2017	ISBN 978-93- 84228-51-4	2 Chapters
16	Database Management system	Prashant	2017	ISBN 978-93- 84228-53-8	3 Chapters
17	Software Engineering	Prashant	2017	ISBN 978-93- 84228-54-5	3 Chapters
18	MS SQL Server	Prashant	2017	ISBN 978-93- 85019-39-5	3 Chapters
19	Essentials of Computer (CBCS Pattern)	Prashant, Jalgaon	August 2018	ISBN-978-93- 88113-34-2	Two /chapters
20	C Programming I (CBCS Pattern)	Prashant, Jalgaon	August 2018	ISBN-978-93- 88113-35-9	Coordinate and Guide all authors to write
21	Internet Computing	Prashant, Jalgaon	December 2019	ISBN-978-93- 88113-93-9	

Development of Innovative pedagogy

Sr. No	Innovative pedagogy	Course for which it is applied
1	E-material	Database Management System for TYBSC (CS and I.T.)
2	E-material	PostgreSQLfor TYBSC (CS and I.T.)
3	E-material	Python Programming for TYBSC (CS)
4	E-material, Powerpoint Presentation	Network Security (Skill Enhancement Course) for SYBSC (CS and I.T.)
5	Video Lecture	Network Security (Skill Enhancement Course) for SYBSC (CS and I.T.)
6	Video Lecture	Software Engineering Video Lect. 1 for TYBSC (CS and I.T.)
7	Video Lecture	Software Engineering Video Lect. 2 for TYBSC (CS and I.T.)
8	Video Lecture	PostgreSQL for TYBSC(CS and I.T.)
9	Video Lecture	Python Programming for TYBSC (CS)

Academic Activity :

- At University Level worked as, Setters, Examiner and Moderator for theory and practical for UG/PG, Management.
- At University Level / College Level Working in CAP from last 17 years.
- At University Level Participation in Syllabus Framing-Reframing
- At College level Worked as Sr. as well as Jr. Supervisor for Examination.
- Member of Admission Committee

Extra Curricular Activity :

- Work as Examiner in “Tech-Yuva-2018”. P. O. Nahata College, Bhusawal

Other Activities :**Participation of Teachers/ Presentation of Papers in Seminars / Conferences/ Symposia/workshop etc.:**

Sr No.	Dates of Activity/ year of publication	Title of the paper	Name of the journal/ Academic forum	Level/type of journal	Organiser & place of the fourum/ publisher, place, page no.	ISBN/ISSN no
1	June 2013	Implementation of Information Security Algorithms for Databases by SQL Server	International	International	International Journal of Research and Development	ISSN 2279-073x
2	Feb 2013	Implementation and Analysis of Cryptography Tech.	National Conference	National	M.J.College,Jalgaon Issue 4 vol-I pp 80-82	ISSN 2277-4238
3	Sept. 2013	Successive key agreement and factoring improves Security by RSA and DES algorithms	International Conference	International	IBMRD Ahmadnagar	ISBN 978-93-82880-60-8
4	Dec. 2013	Security for IT Applications using Information Security Algorithms	National Conference	National	Deptt. Of Management Studies NMU, Jalgaon	ISSN 2250-2025
5	July 2015	Audio	International	International	Volume 5, Issue	ISSN 2250-

		Steganography using Combination of LSB and Key for Images, Audio and Text Messages	nal Journal of Emerging Technology and Advanced Engineering(IJETAE)	l	7, July 2015	2459
6	August 2015	Implementation of Effective , Robust and BPCS Data Embedding using LSB innovative Steganography Method	International Journal of Emerging Trends & Technology in Computer Science (IJETCS)	International	Volume 4, Issue 4, July - August 2015	ISSN 2278-6856
7	19-20 Sept. 2014	Information Security by Festial structure(DES) and Prime Factorisarion (RSA) Cryptography Algo.	National Conference	National	B.P.Arts,S.M.A. Sci and K.K.C commerce college Chalisgaon	ISBN
8	27-28 January 2015	A New Approach for Image Stegnography with Crypto model for LSB 2 bit and Key	National Conference	National	IMR Jalgaon	ISBN

9	30-31 January 2015	CRYPTO- STEGNO: An Innovative method of Information Security	National Conferen ce	National	M.J.College, Jalgaon	ISBN
10	July 2015	Audio Steganography using Combination of LSB and Key for Images, Audio and Text Messages	Internatio nal Journal of Emerging Technolo gy and Advanced Engineeri ng(IJETA E)	Internationa l	Volume 5, Issue 7, July 2015	ISSN 2250- 2459
11	August 2015	Implementation of Effective , Robust and BPCS Data Embedding using LSB innovative Steganography Method	Internatio nal Journal of Emerging Trends & Technolo gy in Compute r Science (IJETTC S)	Internationa l	Volume 4, Issue 4, July - August 2015	ISSN 2278- 6856
12	October 2015	Comparative Analysis and Measuring Qualitative Factors using Colour and Gray Scale Images for LSB and DCT- Mid Band	Internatio nal Journal of Compute r Applicati ons (0975 – 8887)	Internationa l	Volume 128 – No.12, October 2015,(IJCA), page 34-38	

		Coefficient Digital Watermarking				
13	December 2015	Performance Analysis Of DES And RSA Algorithms By Festial Structure and Modular Exponentiation Method	National Conference – Oct 2015 International Journal of	International	Page- 178-182	ISSN-2454-7719
14	December 2015	Secret Image Hiding Algorithm Using Combination Of Least Significant Bit (Lsbs)	Computer research and Technology , 182	International	Page- 183-186	ISSN-2454-7719
15	15 October 2016	Implementation of information security layers by CRYPTO-STEGNO combined model	National Conference – Oct 2016 International Journal of Computer research and Technology	International	Page- 215-219	ISSN-2454-7719
16	15 October 2016	Hybrid Stegnography and image encryption using Visual		International	Page- 220-223	ISSN-2454-7719

		Cryptography				
17	9 December 2016	Image Steganography by Huffman encoding and LSB	National Conference on CTCSIT-2016	National	Pages- 15-17	ISSN-2231-0096
18	7 October 2017	Application of Speech Recognition : For Programming languages	National Conference – Oct 2017 International Journal of Scientific research in Computer science and Engineering and Technology National Conference on CTCSIT-2016	International	Page- 6-8	E-ISSN-2320-7639
19	7 October 2017	A Survey of Possible attacks on Text and Graphical password authentication technique		International	Page- 77-80	E-ISSN-2320-7639

20	7 October 2017	A review paper on Data Hiding technique: Steganography		National	Pages- 64-67	E-ISSN- 2320-7639
21	December - 2017	Optimal Implementation of Closed High Utility Itemsets Discovery with Timespan Consideration	International Journal of Emerging Trends & Technology in Computer Science (IJETCS)	International	Pages 168-171	ISSN- 2278-6856
22	July- Dec.2017	Audio Steganography using LSB for High capacity text file	BIONANO FRONTIER	International	Pages 264-266	ISSN 0974-0678
23	January 2019	A Study of Challenges regarding online shopping for rural customers in Bhusawal taluka		International	ASM Group of Institutes, Pune Pages- 133-140	978-93-88441-43-8
24	19,20 November 2018	Implementation of Information Security Techniques in IoT based devices		National	R.C.Patel Educational Trust, Shirpur	
25	January 2019	Internet of things (IoT) securing data	IJCRT	National	Bhusawal Arts,Sci. & P.O.Nahata	ISSN-2459-7719

		using Lightweight steganography algorithms			comm. College. Pages:59-60	
26	January 2019	Improvement of Library services and education system by digitization and ICT	IJCRT	National	Bhusawal Arts,Sci. & P.O.Nahata comm. College. Pages:59-60	ISSN-2459- 7719
27	16 January 2019	Use of ICT in Higher Education		National	Vidyavardhini Sabha Mandal, college, Dhule	