MANOJ WAIRIYA

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Associate Professor

Department of Computer Science & engineering

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Contact

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Teaching

Current Courses:

- Data Structure and Operating System. **(July – Dec 2018)**
- Data Structure Lab

Past Courses:

- Multimedia. Technology
- Programming & Problem Solving.
- Advanced software Engineering
- Software Engineering
- Object Oriented Programming
- Computer Networks
- Data Structure and Operating System.

Biography:

Education

S.N	QUALIFICATIONS	SUBJECT	YEAR	DIV	CPI/%	COLLEGE/UNIV
1.	P.hd	Computer Sc.	Pursuing since July 2017			
2.	M.E.	Compter Sc. & Engineering	2002	1st	73%	Allahabad University (MNNITAllahabad)
3.	MCA	Compter Sc. & Engineering	1993		8.37/10	Lucknow University (I.E.T Lucknow)
4.	B.Sc.	Physics,Maths,Chemistry	1990	1st	68%	Lucknow University

Appointments Held

Teaching: (23+ Years) Motilal Nehru National Institute of Technology Allahabad

Period	: 26 September 2009 - Till Date
Designation	: Associate Professor
Responsibilities	: Teaching

Period	: From 1st Jan. 2006-to 25 September 2009
Designation	: Assistant Professor
Responsibilities	: Teaching

Period	: From 26 September, 2001 to 31 December, 2005
Designation	: Senior Lecturer
Responsibilities	: Teaching

Period	: From 26September, 1995-25 September, 2001
Designation	: Lecturer
Responsibilities	: Teaching

Area of Research Interest

- Image Processing,
- Multimedia system
- Network Security
- Management Information system

Role & Responsibility:

Administrative Roles Held (institute Level)

1. Dy. Coordinator CEE -1997 (conducted by MNREC Allahabad)
2. Assistant Warden 2002-2004 Raman Hostel
3. Assistant warden (2004-2006) B.G. Tilak hostel
4. Member SMPC July 2016 – June 2018
5. Examination coordinator (PG) 2011-2012

Administrative Roles Held   (department Level)

1. **I/C Time Table :   2000-2003 &   2012-2014**
2. O/C Computer System Lab   2004-2006
3. O/C P.G Lab July 2011- May 2014
4. Member DMPC 2014-2018
5. Member DUGC   2012-2014 , 2016-2018
6. Convener Purchase/TEQIP 2010-2012
7. **Convener DMPC**   July 2016 - June 2018

Publications

Book Chapter:

Sl No.	Author Name	Title	Publisher	ISBN No	Pages	Year
1.	A.P. Singh,Vimal Kumar, **Manoj Wairiya**	Detection and Prevention of Phishing Attack Using Dynamic Watermarking	information Technology and Mobile Communication Volume 147 of the series Communications in Computer and Information Science ,Springer	978-3-642-20573-6	132-137	2011

Journal Papers:

1. Vimal kumar, A.P.Singh, **Manoj Wariya** : self alteration detectable image log file for web forensics, international journal of computer application 2012, volume 18, no 5, march 2011 (published)

Conference Proceedings:

1. Akhilendra pratap singh,vimal kumar, sandeep singh, **Manoj Wariya**, "Detection & prevention of phishing attack using dynamic water marking", international conference on advances in information technology and communication-AIM 2011, 21-22 April (2011), volume 147, part 1, page no 132 to 137 proceedings published by Springer

2. Prashant S modi, Ajeet nigam and , **Manoj Wariya**. "A novel methodology to identify and prevent vulnerabilities in software maintainace phase," in proceeding of the 1st international conference on innovations and advancement in information and Communication Technology (ICIAICT-2012), volume 1, pages 110-115, march 2012 ISBN: 978-93-81583-34-0

3. Prashant S. Modi, Vimal Kumar and **Manoj Wariya:** "An Efficient Preservation Of Network Traffic For Network Forensic Analysis", In Proceedings of the 1st International Conference on Innovations and Advancements in Information and Communication Technology (ICIAICT-2012), Volume-IV, pages 136-141, March-2012; ISBN: 978-93-81583-34-0.
4. Meenakshi Bisht, **Manoj Wairya**, Amit Agarwal "Comparing Delta, open stack and Xen cloud Platforms : A survey On Open Source Iaas In Proceedings of the 3rd International Advanced Computing Conference on (IACC 2013)   February 2013 volume 1 Pages 94-98 **ISBN: 978-1-4673-4528-6**

5. Amit Kishore Shukla.; Mohan,P.;Ojha,G.;**Wariya,M.**,"Offline Signature Verification System using Grid and TreeBased Feature Extraction,"Issues and Challenges in Intelligent Computing Techniques (ICICT),2014 International Conference vol no pp 784-789 **Feb.2014** doi:10.1109/ICICICT.2014.6781380

6. Rohit Kumar, Yashendra shiv,Vimal Kumar, **Manoj Wairiya"** An Authentication Technique in Mobile Ad hoc Network using Elliptic Curve Cryptography" in 8th international conference on cloud computing, Data Science and Engineering(Confluence), IEEE, **2018** , pp. 209-213.

7. Yashendra shiv, Rohit Kumar, ,Vimal Kumar, **Manoj Wairiya"** A Light weight Authentication Scheme for wearable Medical Sensors 8th international conference on cloud computing, Data Science and Engineering(Confluence) IEEE, **2018** , pp. 366-370

Thesis Supervised (M.tech)

SNO	TITLE	STUDENT	YEAR
1.	Offline English character recognition using feature points	S.C.pandey 2000PTSE16	Dec 2004
2.	Design and implementation of an algorithm for refreshing data used in continuous query execution	Shitanshu Sharma 2002PTSE24	June 2005
3.	Performance analysis of thinning algorithm based on the result of restoration of old manuscripts	C.R.chowdhary 2002PTSE25	June 2005
4.	Off line finger print recognition system using new approach	Pankaj 2004SW13	June 2006
5.	Detection of phishing attack using dynamic watermarking	Akhilendra pratap 2009IS18	June 2011
6.	PPM : Prioritized and punish method of counteracting free riding in p2p networks	Bikash upadhyay 2009CS24	June 2011
7.	Layered frame work for network forensics analysis	Vimal kumar 2009IS16	June2011
8.	Ontology based framework for webpage information extraction	Ajeet kumar nigam 2010CS31	June 2012
9.	A novel methodology to identify and prevent vulnerabilities in software maintenance phase	Prashant S Modi 2010CS34	June 2012
10.	Trust based ad-hoc on demand distance vector routing	Dhirendra kumar shukla 2010SW20	June 2012
11.	A comparison of hybrid image compression technique based on LBG and kohonen network in DCT domain	Seema kahsyap 2010SW19	June 2012

12.	Image mosaicing : create high quality panoramic images	Ghanshyam verma 2010CS15	June 2012
13.	Study of Events to build simplified Framework for Security awareness in networks	Bakshi Rahul Prasad 2009PT SW 22	July 2012
14.	Offline Signature Verification Using Grid and Graph Based Feature Extraction	Amit Kishore. Shukla 2011CS09	June 2013
15.	Improving Image Segmentation Using Genetic Algorithm	Anup K.Kori 2011IS27	June 2013
16.	Sample Space Reduction and Anomaly Detection in Endoscopic Video Analysis	Rahul Sharma 2010PTSW25	June 2013
17.	Comparative Performance Analysis for Different Routing Protocols with Integrated IPSec Suit for MANET	Avjeet Singh 2011CS14	June 2013
18.	Analyzing Various Performance testing Parameter of Web Application	Ajeet Shukla 2011SW05	June 2013
19.	Analysis and Comparison of Web Scanning tool for N/W Vulnerabilities	Shreyas Singh 2011SW24	June 2013
20.	Offline signature verification system and structural based feature extraction	Gaurav Kumar pandey 2012SW28	JUNE 2014
21.	An efficient and secure data transfer in cloud computing environment	Amar deo Kumar 2012IS21	JUNE 2014
22.	Suspicious object detection: background model approach	Prabhat Shukla 2012CS07	JUNE 2014
23.	SLA based energy aware vm allocation policy in cloud computing system	Mohammad Tarique Farooquee 2015CS	JUNE 2015
24.	An abandon object detection system and motion analysis as owner detection	Abhishek gaur 2013IS21	June 2015
25.	Improved method for vehicle detection tracking and number plate recognition	Amit Kumar 2013IS04	June 2015
26.	PCA based churn prediction and analysis	Mani nath gaur 2014CS11	June2016

27.	Enhance customer purchase prediction model in content of ecommerce	Atul Kumar Pandey 2014IS11	June2016
28.	Multi-Document Summarization based on sentence fusion	Vinod Kumar Prajapati 2015CS17	June 2017
29.	Image set based face recognition using deep learning software	Desh Deepak 2011SW20	June 2017
30.	A lightweight authentication scheme for wireless sensor in IoT based smart healthcare systems	Yashendra Shiv 2016IS18	June 2018
31.	Detection and Prevention of black hole attack in mobile ad-hoc network	Rohit Kumar 2016CS20	June 2018

Project Supervised (B.tech) since 2004 onwards

Serial No.	Project Title	Branch	Year	Number of Students
1.	Mining Association rules From XML Data Using Xquery	IT	2004	05
2.	Design and implementation of thinning algorithm for character recognition.	CSE	2005	5
3.	Hindi character recognition using feature point extraction	CSE	2005	5
4.	Exploring multimedia transmission issues over wireless channels and their application in telemedicine videos	CSE	2010	5
5.	Quality of service of audio transmission over a ADHOC network	CSE	2010	5
6.	Video on demand web server	CSE	2011	5
7.	Image mosaicking using scale invariant feature transform and RANSAC	CSE	2012	4
8.	CSRF testing tool	CSE	2012	5
9.	Development of secure and scalable programming contest system	CSE	2012	5
10.	Automatic Time-Table Generator	CSE	2013	4
11.	Bio-Informatics toolbox	CSE	2013	5
12.	Iris Bio-Informatics for person Identification	CSE	2013	5
13.	Face Detection and face recognition using neural network	IT	2014	4
14.	Offline signature verification	IT	2014	5
15.	QoS aware allocation of virtual machine in cloud computing system	CSE	2015	3
16.	E-Commerce Android App	CSE	2016	4
17.	Customer purchase prediction model	CSE	2016	5
18.	Problem recommender system for codeforces user	IT	2017	4
19.	A convolution neural network based approach to face recognition	CSE	2017	5
20.	NLP based query answering system	IT	2018	5
21.	Automatic tagging of stackoverflow questions	CSE	2018	5
22.	Automated attendance system using face recognition	CSE	2018	5