

CURICULLUM VITAE

Dr.MANISH SARASWAT

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Degrees

Degree	Major	University	Year
Ph.D	Computer Science	Banasthali University (NAAC A++) , Raj.	Feb-2016
M.C.A	Computer Applications	Guru Jambheshwar Univ., Hisar	January-2004
P.G.D.C.A.	Computer Applications	Rajasthan University, Jaipur	June-2000
B.Sc.	Science	SSJM (Kanpur University), Kanpur	July-1997

Academic Career: (19+Years, One Patent, 20 Publications, 2 Books)

- **Associate Professor and Controller of Examination (04th January-2021 – Till-Date):**
Department of Science & Technology, ICFAI University, Baddi, HP
- **Associate Professor/Professor (10st December 2014 – 24th December-2020):**
Department of Computer Applications, Geetanjali Institute of Technical Studies, Udaipur (Raj)
- **Assistant Professor (11th August-2010-09th December-2014):** Department of Computer Applications, Geetanjali Institute of Technical Studies, Udaipur (Raj).
- **Assistant Professor (1st August, 2007-8th August- 2010):** Shiva Institute of Management Studies, Ghaziabad, UP.
- **Assistant Professor (15th July-2006 - 12th July-2007):** ANS-IT College, Chittorgarh
- **Lecturer(Contract)(2nd August 2001 - 30th June-2006):** Dau Dayal Institute of Vocational Education, Dr. B. R. Ambedkar University Agra, UP

Current Update

- Expert Talk “**How to File a Patent**”, 21st October-22.
- FDP “**Applications of Machine Learning in Healthcare Technology**”, 22nd -26th Feb-22.
- Enrolment in NPTEL FDP “**Machine Learning**” in 2021-22 Session.
- FDP from NPTEL on “**Cloud Computing**” with Elite Certificate.
- FDP from NPTEL on “**Big Data Analytics**” with Elite Certificate.

Certificates from **Coursera digital platform** in:

- Programming for Everybody (Getting Started with Python).
- Cloud Computing Basics (Cloud 101).
- Cloud Computing Applications, Part 1 & Part-2: Cloud Systems and Infrastructure.
- Introduction to Big Data.
- Fundamentals of Network Communication.
- Introduction to HTML5.

Administrative Experience:

- Presently Controller of Examinations, ICFAI University, HP Since September -21
- In-Charge Department of MCA since August-2014-December-2020.
- Examination Head (2012-14).
- Co-Ordinator of BCA Program(2007-10)
- Proctor (2008-10)
- Hostel Warden(2006-07)
- Lab In-charge(2002-06)

Research Summary:

Patent: 1

PhD Registered: 02

PhD Awarded: 0

Total Paper Published in International Journal/Conference: 20

Total Paper Published in National Conference: 05

Total Peer Recognition/Invited Lectures/Int. Nat. Conf. Session Chair, as Resource Person: 3

Books/Chapters Published: 02

Total Int. Nat. Conf./Seminar/Workshop/Short Term Program organized/Attended: 45

Citations: 82

h-index: 3

i10-index :2

Patents/Books/ FDPs/Publications/Journals/Conferences/Workshop/ Symposium/Seminars

(a) Patent: One: Application Number: 202011031626: Social Media Sentiments Calculus: “PROFILE BASED MAPPING SOCIAL MEDIA SENTIMENTS CALCULUS USING CLOUD COMPUTING, DEEP LEARNING PROGRAMMING”.

(b) Books: Two

- **Computer Architecture and Organisation** (ISBN-978-93-81348-88-8) (Approved as text book for MCA Curriculum in Cochin University for Science and Technology, Cochin)
Link: <http://dca.cusat.ac.in/syllabus/MCA2016Syllabus.pdf>
- **Concepts of Operating Systems** (ISBN-978-93-81348-87-1) **Vayu Education of India, Dariya Ganj Delhi**
(Books are available of AMAZON and leading book seller across India)

(c) Faculty Development Program

- **‘Advancements in Cyber Security’**-ICFAI foundation for Higher Education, March 8th -12th, 2021
- **‘Cloud Computing’**, NPTEL on- Line Certification-2019.
- **‘Problem Solving through Programming in C’**,NPTEL On -Line Certification-2019
- **‘MOOCs and Digital Contents Development’**, TEQIP-III, Faculty Development Program organized by Rajasthan Technical University, 14-15th September-2018.
- **‘Machine Learning and Its Applications’**, AICTE sponsored Quality Improvement Program, IIT Roorkee, 09th -13th July-2018.
- **‘Fundamentals of Java’**, Oracle Certified Training on TECNO NJR, Udaipur

(d)Papers Published/Communicated in Conferences and Journals

- **Manish Saraswat [2021]**, ‘A Study on Cloud Computing-based Secure file Storage using Cryptography Algorithms and Steganography Techniques’ (Communicated).
- **Manish Saraswat [2021]** ‘Challenges and Issues of Power Management in Wireless Body Area Network’ (Communicated).
- **Manish Saraswat 2021]**,‘Open Source Simulators for Cloud Computing: A Comparative Study’,(Communicated), Vigyan Garima Sindhu, ISSN :2320-7726, (**UGC –Care**)
- **Manish Saraswat [2021]**, “Solving Knapsack Problem with Genetic Algorithm" 22nd International Conference on the topic: Advances in Operations Research, Statistics and Mathematics (AOSM-2019), organized by Department of Mathematics, BITS, Pilani, Rajasthan, India, during 28-30 December 2019. This paper is published by **CRC Press/Taylor Fancis Group**, Informa plc Group, Milton Park, Didcot, United Kingdom (UK) in 2021. Chapter12: Mathematical Modelling & Computation
- **Manish Saraswat [20120]**"Cloud Computing: Comparison and Analysis of Cloud Service Providers- AWS, Microsoft & Google" in **IEEE Scopus Indexed** “2020 9th International Conference on System Modeling and Advancement in Research Trends (SMART-2020), organized by Faculty of Engineering and Computing Sciences(FOECS), Teerthanker Mahaveer University , Moradabad, ISBN: 978-7281-890602,Page No 300-305. IEEE Xplore digital & online link : <https://ieeexplore.ieee.org/document/9337157>
- **Manish Saraswat[2020]** "Cloud Computing: Analysis of Top 5 CSP’s SAAs, PAAS, IAAS, Platforms " in **IEEE Scopus Indexed** “2020 9th International Conference on System Modeling and Advancement in Research Trends, organized by Faculty of Engineering and Computing Sciences (FOECS), Teerthanker Mahaveer University, Moradabad, ISBN: 978-7281-890602, Page No 281-291. This paper is also published in IEEE Xplore digital & online link to access this paper is: <https://ieeexplore.ieee.org/document/9337100>.
- **Manish Saraswat[2020]**, "Solving Knapsack Problem with Genetic Algorithm Approach" Ist International Conference on Intelligent Communication & Computational Research (ICICCR-2020), organized by Punjab Institute of Technology (PIT), Rajpura, Punjab, India; during 25th January 2020. This paper is also published in **SSRN- ELSEVIER** International Journal pid3565876, link : https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3565876
- **Manish Saraswat[2020]**, "Assessment & Prediction of Software reliability: ANNApproach “Ist International Conference on Intelligent Communication & Computational Research (ICICCR-2020), organized by Punjab Institute of Technology (PIT), Rajpura, Punjab, India; during 25th January 2020. This paper is also published in **SSRN- ELSEVIER** International Journal pid3565873, in the month of April 2020. The digital online link to access this paper is: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3565873
- **Manish Saraswat[2018]** “Genetic Algorithms: Concepts, Applications in Software Engineering and Test Data Generation using GA and Hamming Distance Approach” in International Conference on “Sustainable Computing and Advanced Artificial Intelligence Techniques (ICSCAAIT-2018)” conference proceeding and UGC approved open access Journal IJEECSE EISSN : 2348-2273 || P-ISSN : 2454-1222, <https://ijeecse.webs.com/> , jointly organized by School of Computer Science and Engineering Lingayas University, Faridabad, CSI, CSIR New Delhi, AICTE New Delhi, DietY New Delhi and DST New Delhi during 24 -25 January 2018
- **Manish Saraswat [2018]**, “SOCIAL MEDIA: Role and Impact on Society”, JETIR,September-2018,Voume-5,Issue-9,ISSN: 23495162, (**UGC –Care**)
- **Manish Saraswat[2018]**, “Genetic Algorithms: Concepts, Applications in Software Engineering and Test Data Generation using GA and Hamming Distance Approach”, International Journal of Electrical Electronics & Computer Science Engineering IJEECSE, ISSN: 2348-2273 8616.

- **Manish Saraswat [2017]**, ‘Automated Test Data Generation Using Genetic Algorithms’ in International Journal of Innovations & Advancement in Computer Science IJIACS ISSN 2347 – 8616 Volume 6, Issue 3. (UGC –Care)
- **Manish Saraswat[2016]**, “Automated Test Data Generation Using Genetic Algorithms” paper published in International Conference on Advanced Computing & Software Engineering (ICACSE-16) 2016, proceeding ISBN No: 978-81-928-3802-2 organized by Department of Computer Science & Engineering, KNIT, Sultanpur, UP, during 14-15 December, 2016
- **Manish Saraswat [2016]**, ‘Cost Optimization of SRGM using Genetic Algorithm’ International Journal of Computer Applications of (IJCA) volume 144, No.-05, Doi.10.5120/ijca2016910266.(Impact Factor **0.821**), ISBN: 973-93-80872-34-0.
- **Manish Saraswat [2016]**, “Automated Test Data Generation Using Genetic Algorithms” paper published in International Conference on Advanced Computing & Software Engineering (ICACSE-16) 2016, proceeding ISBN No: 978-81-928-3802-2 organized by Department of Computer Science & Engineering, KNIT, Sultanpur, UP.
- GN Purohit, AMSherry **Manish Saraswat [2014]**, ‘Test Suites Prioritization for Regression Testing using Genetic Algorithm’, International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), volume 3, Page(s) 255-259, (Impact Factor **1.237**) ISSN: 2279-0047.
- GN Purohit, AMSherry **Manish Saraswat [2013]**, ‘Optimization of Function by using A New MATLAB based Genetic Algorithm Procedure’, International Journal of Computer Applications of (IJCA) volume 61(15) doi. 10.5120/10001-4212. (Impact Factor **0.821**), ISBN: 973-93-80872-34-0.
- GN Purohit, AMSherry **Manish Saraswat [2013]**, ‘A Mutation-based Testing using Genetic Algorithm for Timeliness of Real Time Systems’, International Journal, IMS-Manathan’, volume 6 issue 2, page(s) 43-48, ISSN-0974-7141.
- GN Purohit, AMSherry **Manish Saraswat[2011]**, ‘Temporal Testing of Real-time Systems Using Genetic Algorithms Employing Mutation & Back to Back Testing’ International Journal ‘Vision Catalyst’, volume -1, Number 1, Page(s) 45-53, ISSN No-277243X.
- GN Purohit, AMSherry **Manish Saraswat [2011]**, ‘Time Optimization for Real Time Traffic Signal Control System Using Genetic Algorithm’ Global Journal of Enterprise Information System, volume 3, issue 4, Page(s) 36-40, (Impact Factor **0.9166**), ISSN-0975-153X.
- GN Purohit, AM Sherry **Manish Saraswat [2011]**, ‘Estimation of the COCOMO Model Parameters Using Genetic Algorithms for RTS Software Projects’ Global Journal of Enterprise Information System, , Volume-3, Page(s) 31-34. (Impact Factor **0.9166**), ISSN-0975-153X.

(e) Presented in National/International Conferences

- ‘**Model-Driven Software Tools for configuring and customising of real time and embedded Systems**’, National Conference on Information Technology for Business Transformation-2019, 25-26 November-2019, Ajay Kumar Garg(AKG), Ghaziabad
- ‘**Optimization of the cost of Software Reliability Development Model Using Genetic Algorithm**’, National Conference on Modelling, Optimization and Computing for Engineering Problems: use of Technical Hindi Terminology by Commission for Scientific and Technical Terminology (CSTT), MHRD, Govt. of India, IIT Roorkee, 12-14 October, 2018.
- ‘**Automated Test Data Generation Using Genetic Algorithms**’, International Conference on Research Trends in Engineering, Applied Science & Mangmt. (ICRTESSM-2017) 18th and 19th March, 2017 at Modi Institute of Technology, Kota.

- **‘Genetic Algorithms for Optimization using MATLAB’**, 2nd International Conference on Advanced Computing and Creating Entrepreneurs (ACCE), 2nd SIG-WNS, Div-IV & CSI Udaipur Chapter.
- **‘Optimization of Genetic Algorithms for Real Time Systems using a Grid’**, National Conference on Next Generation Computing and Information Security, NGCIS-11, Department of Information Technology, Institute of Management Studies, Noida.
- **‘Optimization of Software Reliability: Object Oriented Design and Coding Approach’** in National Conference on Next Generation Computing and Information Systems, NGCIS 2010, Jammu- India, organized by Model Institute of Engineering and Technology (MIET) Jammu and National Institute of Technology (NIT) Hamirpur.
- **‘Dynamic Testing of Real Time Systems: Genetic Algorithm Approach’** in National Conference on Information Technology and Competitive Dynamics (ITCDC 09)”, Department of Computer Science, Institute of Management Education, Ghaziabad, ISBN NO 0230-63825.

Workshop/Symposium/Seminars

- Seminar on “Building Quality Entrepreneurs”, GITS, Udaipur.
- Seminar on “Role of Ocal Chapters”, IIT Kanpur.
- Seminar on “Data Privacy, cyber crime, social Media, Legal and Management Implications on Corporate Governance”, CSI Noida.
- National Workshop on “Software Reliability & Testing” organized by School of Information Technology, G.B University, Greater Noida.
- National Workshop on “People Participation in Heritage Conservation” organized by Dr. B.R Ambedkar University Agra.
- **Member of Organizing Committee**, National Conference on Information Technology & Operation Research, organized by Dr. B.R Ambedkar University Agra
- Symposium on “Cyber Crime and its Implications” organized by Computer Society of India
- Seminar on “Quality Assurance in Teacher Education” organized by Department of B.Ed. Shiva Institute of Management Studies, Ghaziabad.
- National Workshop on “Teachers as Leaders and Leaders as Teachers” organized by Association of Indian Management Schools AIMS & Shiva Institute of Management Studies, Ghaziabad.
- Attended a Round Table Conference of Deans & Directors of the Northern Region Management Institutes organized by Shiva Institute of Management Studies (SIMS), Ghaziabad.
- Attended a Symposium on “Recent Trends in Computing” organized by CSI.
- Attended a Symposium on “Green Computing” organized by Computer Society of India
- Attended a Workshop on “Neural Networks and its Implementation with MATLAB” organized by CSE Department, Bharati Vidyapeeth University Institute of Management and Research

Subject /Software / Hardware Skills:

- Cloud Computing
- Operating System
- Discrete Mathematics
- Big-Data Technologies
- Computer Networks
- Advanced Data Base Management System
- Software Engineering/Object Oriented Software Engineering
- Scripting Languages-HTML, DHTML, JAVA SRIPT.
- Computer Architecture
- Object Oriented Systems and C++

- Real Time & Embedded Systems
- Unix Shell Programming
- **Languages:** Python ,C,C++, PL/ SQL
- **Operating Systems:** Windows, M.S DOS
- **Database Systems:** SQL Server, M.S Access
- **Testing Tools:** Test Director, Win Runner, Load Runner

Membership:

- Membership of Computer Society of India (CSI).

Personal Detail:

Father's Name: Shri B.L Saraswat.
Date of Birth: 24thSeptember, 1976.
Place of Birth: Budauan U. P.
Languages known: Hindi English.
Hobbies: Reading, Travelling, Playing.
Marital Status: Married.
Passport-No: H-8752954.

Reference(s):

- Dr. Shefali Gautam, Director, Shiva Institute of Management Studies, Ghaziabad, U.P
Mob. No.9818448783, E-mail: director.shivaims@gmail.com
- Dr.Madhu Jain, Professor, Dept of Mathematics, I.I.T Roorkee, U.K
Mob. No. 8126379111, E-mail: madhufma@iitr.ac.in
- Dr. (Prof.) H.P Singh, Vice Chancellor ICFAI University, Himachal Pradesh
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Place:

Date:

(MANISH SARASWAT)