

RESUME

Name	:	Dr. Bright Keswani
Father's Name	:	Shri B.L. Keswani
Mother's Name	:	Smt. Bimla Keswani
Marital Status	:	Married
Natioality	:	Indian
Gender	:	Male
Language	:	English, Hindi
Position held	:	Professor (Computer Science & Engineering)
Official Address	:	Poornima University, Jaipur (India)
Residential Address	:	9/907, Malviya Nagar, Jaipur – 302017
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Webpage/Blog	:	https://www.facebook.com/bright.keswani
ORCID ID	:	https://orcid.org/0000-0003-1464-0431
WoS Researcher ID	:	R-8269-2019
Scopus Author ID	:	57195477141
Google Scholar	:	https://scholar.google.com/citations?hl=en&user=MqJIYZYAAAAJ
Passport Number	:	T1450939



Dr. Bright Keswani is a distinguished educator with extensive experience in teaching, research, and academic administration. He holds multiple advanced degrees, including M.Sc. (Computer Science), MCA, M.Tech, M.Phil (Computer Science), **Ph.D** (E-Commerce) and **Post-Doctoral Degree** in Mobile Ad-hoc Networks.

Currently, he serves as a Professor in the Faculty of Computer Engineering at Poornima University, Jaipur. Previously, he was associated with Suresh Gyan Vihar University, Jaipur, where he held key roles such as Head of the Department (2010–2017) and Principal of the University Academic Staff College (2014–2023).

Dr. Keswani's research interests include Software Project Management, Big Data Analytics, Information Retrieval, Databases, Cloud Computing, Software Testing, ERP Systems, E-Commerce, and Precision Agriculture. He has authored over 150 research papers in reputed journals and conferences and serves on the editorial and review boards of several international journals.

A recognized academic leader, he has chaired numerous national and international conferences. He was the Founder-Editor-in-Chief of the Suresh Gyan Vihar University Journal of Engineering and Technology (established in 2015). His contributions to education and research have earned him prestigious awards, including the 'Bharat Jyoti Award,' 'Shiksha Bhushan Award,' and 'Award of Excellence in Education'.

Dr. Keswani has authored over 28 books on various topics of his domain. He has contributed book chapters to global publishers like Wiley, Apple Press, Springer, Elsevier, and CRC Press. Additionally, he has developed Self-Learning Material (SLM) for VMOU Open University, Bhoj University, and Suresh Gyan Vihar University. He has also played a key role in organizing international conferences, seminars, and workshops as an Organizing Secretary, Convener, and Co-Convener, contributing to academic and research excellence.

Academic Background

- a. **Post Doctoral Research (Ad-Hoc Mobile Networks)** from National Taipei University of Business, Taiwan in 2025.
- b. **Ph.D (E-Commerce)** from University of Rajasthan, Jaipur in 2013
- c. **M.Tech. (IT)** from Karnataka State Open University in 2010.
- d. **M.Phil (CS)** from Madurai Kamraj University, Madurai in 2006.
- e. **MCA** from JRN Rajasthan Vidhyapeeth (Demeed) University, Udaipur in 2005.
- f. **M.Sc. (Computer Science)** from Maharshi Dyanand University, Rohtak in 2003.

Present Working Status

Professor, Faculty of Computer Engineering, Poornima University, Jaipur since June 24, 2023.

Professor, Research and Development Cell, Poornima University, Jaipur since July 1, 2025.

Coordinator, Centre of Excellence – Machine Learning, Poornima University, Jaipur since July 1, 2025.

Responsibilities Includes:

- Imparting lectures to UG & PG students of Computer Science on Software Testing, Research Methodology, IPR, System Analysis and Design, Software Engineering, Management Information and Control System, Software Security, Software Project Management and other Computer Science/Information Technology related subjects.
- Research supervisor of Ph.D. and M.Tech. students.
- Writing and Reviewing Research Papers/Articles in the field of Computer Science and Information Systems & Technology.
- Being Member, Board of Studies', drafting and restructuring the syllabus of MCA, M.Sc. (IT), and BCA, B.Sc. (IT) Programmes.
- Conduction of 'Faculty Development Programmes', Conferences, Workshops, Invited Lectures for the University Staff Members.

Teaching experience (More than 22 years)

- A) **Professor**, Faculty of Computer Engineering, Poornima University, Jaipur (India) from 2023-Present.
- B) **Professor**, Department of Computer Applications, Suresh Gyan Vihar University, Jaipur. - from 2018 to 2023.
- C) **Principal (Academic Staff College)**, Suresh Gyan Vihar University, Jaipur. - from 2014 to 2023.
- D) **Associate Professor, Department of Computer Applications**, Suresh Gyan Vihar University, Jaipur. - from 2011 to 2018.
- E) **Assistant Professor**, Department of Computer Applications, Suresh Gyan Vihar University, Jaipur. - from 2006 to 2011.
- F) **Lecturer & Head (UG Programs)** at **Apex Institute of Management & Sciences**, Jaipur.
- G) Associated with various academic institutions as **Visiting Faculty** i.e. **Department of Mathematics**, University of Rajasthan, Jaipur; **University Maharani's College**, Jaipur; **University Maharaja's College**, Jaipur; **Institute of Informatics & Instrumentation**, UOR campus, Jaipur; **PG School of Commerce**, University of Rajasthan, Jaipur; **LBS (PG) College**, Jaipur; **University Commerce College**, Jaipur; **WLC College**, Jaipur; **Centre for Converging Technologies**, University of Rajasthan, Jaipur; **Biyani Girls (PG) College**, Jaipur.

OTHER POSITIONS / AUTHORITY HELD

- **Principal, SGVU-Academic Staff College** from 2014 to 2023.
- **Head of the Department (HoD)** of Computer Applications from 2010 to 2017.
- **Member- 'University NAAC Committee'** 2013
- **Member- 'University NBA Committee'** 2012-13
- **NAAC Coordinator** (Computer Application Department) in 2015.
- **Editor-In-Chief**, Suresh Gyan Vihar University Journal of Engineering & Technology since 2015.
- **Head of the Department (HoD)** of Learning Centre of Excellence with Google, Suresh Gyan Vihar University from September 03, 2021 to November 23, 2021.
- **Convener**, 'Internal Committee for the students with Disabilities' vide letter no.: F.9(29)REG/SGVU/2021/98 dated 20/07/2021.
- **'Assistant Registrar (HR)'** from September, 2021 to November, 2021.

- **Member, Department Research Committee,** 2013-2023.
- **Convener, Standing Committee for Unfair means cases** 2016-17.
- **Professor In-Charge, SGVU-Library Committee** 2016-18.
- **Convener, Board of Studies (Computer Applications),** 2013-17.
- **Convener, Board of Studies (CS, IT and CA),** 2016-17.
- **Member- 'Board of Studies',** SGVU 2014-2023.
- **Member – 'Standing Committee'** 2009-15
- **Programme Coordinator - MCA** from 2011 to 2017.
- **Member – 'Extended Board of Management',** SGVU 2010-2014.

Awards

- **Ph.D.** Degree awarded by the University of Rajasthan, Jaipur in 2013.
- **M.Phil (CS)** Degree awarded by Madurai Kamraj University, Madurai in 2006.
- Received "**AWARD OF EXCELLENCE IN EDUCATION**" by Career Option Awards during 3rd Higher Education Summit – 2015 for outstanding contribution to Education. Award ceremony organized on April 4th, 2015.
- Received '**BHARAT JYOTI AWARD – 2013**' alongwith '**Certificate of Excellence**' by Former Governor of Assam and Tamilnadu Hon. Bhismanarayan Singh in presence of Former Chief Election Commissioner, Gov. of India Mr. G.V.G. Krishnamurthy, and former Director of CBI, Gov. of India Dr. Joginder Singh at India International Centre, New Delhi on June 10th, 2013.
- Received **SHIKSHA BHUSHAN AWARD** by the Governor of Gujarat Pt. Nawal Kishore Sharma on April 5, 2009 for contribution to the field of Computer Science and Education.
- Received '**Certificate for Achievement**' from President, Suresh Gyan Vihar University in recognition of Innovation and Research in the field of Computer Science on Feb. 28, 2022 (SGVU/RES/21-22/15).

Research Experience (14 Years)

During M.Phil: 01 Years (Data Mining)

During Ph.D. : 05 years (E-Commerce)

After Ph.D.: 12 years

Association with World-Wide Professional Societies

1. **Life Member,** Computer Society of India
2. **Life Member** – Indian Accounting Association.
<http://indianaccounting.org/downloads/15%20JAIPUR%20BRANCH.pdf>
3. **Member, IFRP Scientific Board** <http://iferp.org/scientific-board.php#b>
4. **Advisor - Entrepreneurship Development Cell and IoT Lab,** Silion Institute of Technology, Bhubaneswar, Odisha since Jan 16, 2018.
5. **Advisor - Advisory Council of Biyani Girls PG College,** Jaipur
6. Nominated as **IT and Entrepreneur expert** by the Government of Rajasthan for various EDC projects.
7. **Guest Editor** for the special issue of "Network Functions Virtualization with Software Defined Networks" in the Journal 'American Journal of Science, Engineering and Technology (AJSET) (ISSN: 2578-8345, E-ISSN:2578-8385) published by Science Publishing Group, New York, NY 10020 USA.
8. **Founder Editor-In-Chief,** 'Suresh Gyan Vihar University Journal of Engineering & Technology (SGVUJET), e-ISSN: 2395-0196.
9. **Organizing Secretary,** 4th International Conference on Cyber Security and Privacy in Communication Networks (ICCS 2018) to be held on Oct 26-27, 2018 at Suresh Gyan Vihar University, Jaipur (Supported by Elsevier).
10. **Organizing Secretary,** Cyber Phoenix Conclave 2018 Information Security Conference held at Suresh Gyan Vihar University, Jaipur on Feb 3-4, 2018 in association with Hackers Day, Rajasthan.
11. '**Organizing Secretary**', 4th International Conference on Cyber Security, Privacy in Communication Networks [ICCS- 2018] held at Suresh Gyan Vihar University, Jaipur on October 26-27, 2018 Indexed by 'Elsevier'.
12. **Convener,** Workshop on '**Recent Trends in .Net Technologies**', organized by Suresh Gyan Vihar University, Jaipur on 27-28 November, 2009.

13. **Co-Convener**, International Conference on Innovative Technological Advancements in Engineering and Sciences (ICITAES), Nov. 3, 2018 <http://online-conf.com/ICITAES>
14. **Co-Convener**, National Workshop on 'Recent Trends in Web Technologies', organized by Suresh Gyan Vihar University, Jaipur on 27-28 November, 2009. www.gyanvihar.org/web/images/broucher2.pdf
15. **Co-Convener**, National Workshop on 'Information Security & Ethical Hacking', organized by Suresh Gyan Vihar University, Jaipur on 19-20 February, 2010.
16. **Reviewer** for 'SN Computer Science' (Springer Nature Journals)
17. **Reviewer** for Book Proposal (CRC Press)
18. **Reviewer** for Edited Book (IGI Global)
19. **Reviewer** for Edited Book (NOVA)
20. **Reviewer** for 3rd International Conference on Modern Management based on Big Data (MMBD2022).
21. **Reviewer** for the 8th International Conference on Fuzzy Systems and Data Mining (FSDM 2022) organized from November 04-07, 2022 at Xiamen, China.
22. **Reviewer**, International Journal of Advanced Computer Science and Applications (IJACSA), The Science and Information (SAI) Organization, United Kingdom (December 2021).
23. **Scientific Reviewer** of International Journal of Emerging Issues in Islamic Studies (IJEIS), Volume 1, Issue 1, 2021.
24. **Reviewer**, American Journal of Computer Science and Technology.
25. **Reviewer** of 4th International Conference on Education Technology Management (ICETM 2021) held in Tokyo, Japan during December 17-19, 2021.
26. **Reviewer**, International Journal of Emerging Issues in Islamic Studies, UPT Publikasi Karya Ilmiah, Universitas Islam Bandung & Research Synergy Foundation, Indonesia [No. 007/IJEISS/II/2021 dated February 17, 2021]
27. **Reviewer**, Journal of 'Applied Artificial Intelligence'
28. **Reviewer**, World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI).
29. **Reviewer**, IEEE ICCIS-21 Conference, Sharda University (India).
30. **Reviewer**, International Journal of Advanced Computer Science and Applications (IJACSA), 2021.
31. **Reviewer**, The 22nd World Multi – Conference on Systemics, Cybernetics and Informatics (WMSCI 2018) held at Orlando, Florida, USA from July 8-11, 2018.
<http://www.iiis2018.org/wmsci/Website/AdditionalReviewers.asp?vc=1>
32. **Reviewer**, International Journal for Emerging Trends in Engineering and Management Research <http://www.ijetemr.org/editorial-board/review-board/>
33. **Reviewer**, 'International Journal of Computer Applications in Engineering, Technology and Sciences' (IJ-CA-ETS).
34. **Reviewer**, 'International Journal of Innovative Computing and Applications' (IJICA) **ISSN online:** 1751-6498, **ISSN print:** 1751-648X.
35. **Reviewer**, 'Journal of Systemics, Cybernetics, and Informatics' ISSN: 1690-4524 (Online) Indexed by EBSCO, Cabell, DOAJ (Directory of Open Access Journals).
36. **Reviewer**, 'International Journal of Computer Applications in Technology' (IJCAT) **ISSN online:** 1741-5047, **ISSN print:** 0952-8091.
37. **Member, Board of Studies** (BoS) of Parishkar College of Global Excellence (Autonomous), Jaipur since 2021.
38. **Member, Board of Studies** (Computer Science) of L. M. College (Autonomous), Jodhpur.
39. **Member, Technical Committee:** 4th International Conference on Modern Educational Technology (ICMET 2022), Macau, China from May 24-26, 2022.
40. **Member, Technical Program Committee** of the 3rd International Conference on Computing, Communication, and Intelligent Systems (ICCCIS' 2022) organizing by the Sharda University, Greater Noida on December 02-03, 2022.
41. **Member, Technical Committee**, 12th International Conference on Advanced Computer Theory and Engineering (ICACTE 2019) Jakarta, Indonesia from 18-20 September, 2019.
www.icacte.org/com.html
42. **Member, Technical Committee**, 10th International Conference on Distance Learning and Education (ICDLE 2019) from 18-31 October, 2019. www.icdle.org/com.html
43. **Member, Technical Committee**, International Conference on Modern Educational Technology (ICMET 2019) Nanjing, China from 28-30 June, 2019. www.icmet.org/com.html
44. **Member, Technical Programme Committee**, International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM 2019), Amity University, Jaipur, Rajasthan from February 26-28, 2019.

http://www.suscom.org.in/Special%20Sessions/SS_33%20Emerging%20Issues%20in%20Sustainable%20Development%20of%20E-Commerce%20Applications.pdf

45. **Member – Conference Committee**, ‘International Conference on Software and Knowledge Engineering’ (ICSKE’ 2014) held at Hotel ‘Four Seasons’, Los Angeles at Beverly Hills, 300 S Doheny Dr, Los Angeles, CA 90048, USA on September 29 - 30, 2014. The Conference organized by the World Academy of Science, Engineering and Technology (WASET).
<http://www.waset.org/conference/2014/09/los-angeles/ICSKE/committees>
46. **Member- International Scientific Committee** ICMBC 2018: 20th International Conference on Mobile Business and Commerce, Dubai, UAE, November 19-20, 2018
<https://waset.org/conference/2018/11/dubai/ICMBC/committees>
47. **Member, National Advisory Committee** (ICIC 2018), 2nd International Conference on Innovations in Computing, Chandigarh Group of Colleges, December 14-15, 2018
https://www.cgc.edu.in/documents/brochure%20trifold_1Curved.pdf
48. **Member – Editorial Board**, Science Research Association (SCIREA) Journal of Computer.
49. **Ambassador** for World Conference on Smart Trends in Systems, Security and Sustainability (WS4 2018), London, UK from Oct. 30-31, 2018.
50. **Member (Editorial Board)**, ‘International Journal of Advances in Computer Science and its Applications (IJCSIA)’, ISSN: 2250–3765 <http://ijcsia.uacee.org>
51. **Member – Editorial Board**, International Journal of Computer Applications Technology and Research (IJCATR- A Peer Review Journal), ISSN: 2319-8656 (Online).
http://www.ijcat.com/editorial_board
52. **Member (Editorial Board)**, ‘International Journal of Advances in Computer Networks and its Security (IJCNS)’, ISSN: 2250-3757 <http://ijcns.uacee.org>
53. **Member – Editorial Board**, IPASJ International Journal of Computer Science (IJCS) (ISSN 2321-5992).
<http://ipasj.org/editorialboard.htm>
54. **Member - Editorial Board**, International Journal of Computer Applications in Engineering, Technology and Sciences (IJ-CA-ETS). www.aessangli.in/Editorial_board.doc
55. **Member - Editorial Board**, International Journal of Emerging Technologies and Application in Engineering, Technology and Sciences (IJ-ETA-ETS)
www.aessangli.in/Editorial_board.doc
56. **Member - Editorial Board**, AES Journals. <http://conference.aessangli.in/technical.php>
57. **Member - Scientific Committee and Editorial Review Board** on Engineering and Physical Sciences of the World Academy of Science, Engineering and Technology (WASET).
<http://www.waset.org/Committees/Engineering-Physical>
58. **Member, Computer Society of India (CSI)** <http://64.71.148.168/web/csi/management-committee28>
59. **Member- Technical Advisory Board**, ICRD-ETS’2013. <http://conference.aessangli.in/technical.php>
60. **Member – Conference Committee**, ‘International Conference on Artificial Intelligence and Software Engineering’ (ICAISE’ 2014) held at NH Leonardo Da Vinci, Via dei Gracchi, 324. 00192, Rome, Italy on September 26 - 27, 2014. The Conference organized by the World Academy of Science, Engineering and Technology (WASET).
<http://www.waset.org/conference/2014/09/rome/ICAISE/committees>
61. Ex-‘**Executive member**’ of the ‘Project Committee’, BCA course, University Maharani’s College, Jaipur in the year 2003.
62. **Member, Advisory Board** of “IPASJ International Journal of Computer Science (IJCS)”.
<http://ipasj.org/IJCS/editorialboard.htm>
63. **Member, Editorial and Reviewer Committee** of “International Journal of Scientific & Engineering Research -IJSER (ISSN 2229-5518)”. https://www.ijser.org/editorial-board_page4.aspx
64. **Member, Technical Programme Committee** of 5th International Conference on Computing for Sustainable Global Development (INDIACom-2018) held at Bharti Vidhyapeeth, New Delhi from March 14-16, 2018.
<http://bvicam.ac.in/indiacom/technicalProgrammeCommittee.asp>
65. **Member, Advisory Committee** of Workshop on AutoCAD and STAAD Pro organised by the Department of Civil Engineering, Suresh Gyan Vihar University, Jaipur from January 27-28, 2017.
66. **Member, Review Committee as well as Editorial Board** of International Journal of Scientific and Engineering Research [ISSN 2229-5518]. https://www.ijser.org/editorial-board_page4.aspx
67. **Member, Technical Committee** of ‘International Conference on Education, Technology and Computers [ICETC 2017]’, Barcelona, Spain from Dec. 20-22, 2017. <http://www.icetc.org/com.html>
68. **Member, Technical Committee** of ‘International Conference on Education, Technology and Management [ICETM 2018]’, Barcelona, Spain from Dec. 19-21, 2018. <http://www.icetm.org/com.html>

69. **Member, Technical Programme Committee** of the “International Conference on Innovative Computing and Communication (ICICC 2018). <http://icicc-conf.com/technicalprogramcommittee>
70. **Member, Programme Committee** of Federated Conference on Computer Science and Information Systems (FedCSIS) to be held at Poznan, Poland from Sept 9-12, 2018.
71. **Member, Technical Committee** of ‘International Conference on Future Learning [ICFL 2018]’, Barcelona, Spain from Dec. 19-21, 2018. <http://icfl18.com/com.html>
72. **Member, Programme Committee** of Federated Conference on Computer Science and Information Systems (FedCSIS) to be held at Poznan, Poland in 2017. <http://fedcsis.org/2017/mmap/committee>
73. **Reviewer**, Federated Conference on Computer Science and Information Systems held from September 3–6, 2017. Prague, Czech Republic
https://annals-csis.org/Volume_13/pliks/communication.pdf
74. **Member, Editorial Board** of the International Journal of Computer Science and Network Security (ISSN Print: 2575-6036, ISSN Online: 2575-6028)
75. **Member- Technical Committee**, International Conference on Innovative Computing and Communication (ICICC-2018) organized by Guru Nanak Institute of Management from May 5-6, 2018 supported by Springer.
76. **Member - Advisory Board**, Global Outreach Education Conference, organized by REDINNO at The Theme Hotel, Jaipur on March 27, 2018.
77. **Member, Board of Governors** [State Council] of the ‘Federation for World Academics (FWA). <http://worldacademicsfederation.org/about-us/board-of-governor-fwa-state-council/>
78. **Member, Programme Committee** of 3rd International Conference on Next Generation Computing Technologies (NGCT 2017) held in Oct. 30-31, 2017 at Dehradun, India (Supported by Springer)
79. **Member, Programme Committee** of 4th International Conference on Next Generation Computing Technologies (NGCT 2018) to be held on Nov. 21-22, 2018 at Dehradun, India (Supported by Springer)
80. **Keynote/Opening remark** at ‘Heckathon-2018’ organized by Department of Information Technology and Communication, Govt. of Rajasthan at Rajasthan College, Jaipur on March 20, 2018.
81. **Invited Lecture on ‘Cyber Crime and Information Technology Act 2000’** during **Refresher Course** of Computer Science, Organized by the **Academic Staff College, University of Rajasthan, Jaipur** on March 7th, 2008.
82. **Keynote**, at National Conference on ‘Emerging Trends in Information Technology’ on Feb. 21, 2009.
83. **Keynote** on ‘Electronic Payments: Towards a more efficient Payment System’ during the National Conference on ‘IT in Global World: A Futuristic Perspective’ on Dec. 19-20, 2009.
www.biyaniconference.com/speaker.html,
www.biyaniconference.com/Poster-technobyte.pdf
84. **Keynote** during the **International Conference on Gen Next: The Green Engineering & Digital Era** on September 22-24, 2011. www.biyaniconference.com/gennext/speaker.aspx
85. **Invited lecture** on ‘E-Banking and Security Transactions’ at Seth G.B.Poddar College, Nawalgarh on March 11th, 2007.
86. **Invited lecture** on ‘Entrepreneurship’ at Govt. Women’s Polytechnic College, Jaipur on March 16th, 2007.
87. **Member, Program Committee** for 11th International Symposium on Multimedia Applications and Processing (MMAP – 2018) which will be held at Poznan, Poland on Sept. 9-12, 2018.
88. **Chairperson for the Technical Session – II: Computing Technology: Paradigm Shift and Emerging Global Responsibility’** during Multi-disciplinary International Conference on ‘Emerging New World order in the Post-pandemic Scenario’ sponsored by Indian Council of Social Science Research (ICSSR), DST and CSI on Feb 18, 2022.
89. **Session Chair** for the Technical Session of ‘International Conference on Intelligent Systems and Computing (ICISC 2022) organized by the Department of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur on May 6, 2022. **Hon Treasurer – Management Committee of the ‘Computer Society of India’ (CSI), Jaipur Chapter.**
<http://64.71.148.168/web/csi/management-committee28>
90. **Session Chair** at International Conference on Emerging Trends in Expert Applications & Security 2018 (ICETEAS 2018) held on Feb 17-18, 2018 at Jaipur Engineering College and Research Centre, Jaipur technically sponsored by BJIT (published by Springer Nature) and IGI-Global in association with AICTE, DST, RTU, CSI and ACM.
91. **Session Chair** during RTU-TEQIP III Sponsored online International Conference on ‘Post Covid Challenges on Life and Livelihood (ICPCC) organized by Poornima Institute of Engineering and Technology, Jaipur on March 5-6, 2021.
92. **Session Chair** (Technical Session – 7), RTU-TEQIP III Sponsored Online ‘International Conference on Post Covid Challenges on Life and Livelihood (ICPCC)’ on March 6, 2021.

93. **Session Chair** of 4th International Conference on Education Technology Management (ICETM 2021) held in Tokyo, Japan during December 17-19, 2021.
94. **Session Chair** of 4th International Conference on Future Learning (ICFL 2021) held in Tokyo, Japan on December 18, 2021.
95. **Session Chair** during 'International Conference on Computing, Communication, and Intelligent Systems (ICCCIS-2021) organized by Sharda University, India on February 19-20, 2021.
96. **Session Chair**, IEEE 2nd International Conference on Computing, Communication and Intelligent Systems ICCIS-21 from February 19-20, 2021 at Sharda University (India).
97. **Member**, 'Technical Advisory Committee' of the National Workshop on VLSI and FPGA' organized by the Department of Electronics and Communication, Suresh Gyan Vihar Universe, Jaipur on 31st March to 1st April, 2010.
98. **Member**, 'Organizing Committee' of National Conference 'Perspectives of Change & Transformation leading to Employee Productivity' organized by the International School of Business Management, Gyan Vihar Universe, Jaipur on 24th and 25th Feb 2007.
99. **Organizing Secretary**, Cyber Phoenix Conclave 2018 Information Security Conference held at Suresh Gyan Vihar University, Jaipur on Feb 3-4, 2018 in association with Hackers Day, Rajasthan.
100. **Member, Advisory Committee**, 1st International Conference on Smart Innovation, Ergonomics and Applied Human Factors (SEAHF 2019) Madrid, Spain from January 22-24, 2019.
101. **Convener, International Faculty Development Programme (Online)** organized by the Suresh Gyan Vihar University, Jaipur from June 15-20, 2020.
102. **Convener, SGVU-Global Science Summit 2020 (online)** organized by the Suresh Gyan Vihar University, Jaipur from August 17-22, 2020.
103. **Member**, International Association of Engineers (IAENG) December, 2021 (Member No.: 120921)
104. **Member**, Technical Committee of 4th International Conference on Education Technology Management (ICETM 2021) held in Tokyo, Japan during December 17-19, 2021.
105. **Member**, National Institute for Technical training & Skill Development [Member ID: NITSD/PROFESSOR/00473 dated: 01/04/2021]
106. **Member**, 'International Computer Science and Engineering Society (ICSSES).
107. **Member**, International Association of Engineers (IAENG) with Membership Number: 120921.
108. **Member**, Program Committee of 13th International Symposium on Multimedia Applications and Processing (MMAF'21).
109. **Member**, National Advisory Committee of International Conference on Intelligent Computing in Information Technology or Engineering System, (ICICITES 2021) organized by SKN Sinhgad College of Engineering, Pandharpur during March 5-6, 2021.
110. **Member**, Advisory Committee of IEEE CONIT 2021.
111. **Editorial Manager**, 'Computer and Electronics in Agriculture' (Elsevier Journal) on Feb. 26, 2021.

IPR [Copyright/Patents]

'Design Patents': 02

1. 'Vegetable and Fruits Purifier Device' filed on 12.01.2024 and Granted on 18.04.2024 by the Patent Office, Government of India (Design No.: 404401-001)
2. 'Device for Production of Cancer Vaccines' filed on 02.06.2024 to the Government of United Kingdom.

Patent Filed: 07

1. 'A Food Disposal Device' filed on August, 22, 2020 [Application No: 202041036255, The Patent Office Journal No. 37/2020 dated 11/09/2020]
2. International Patent No.: 2021100952 entitled 'Methodology for Detecting Disease in Plants using Image Processing Technique'. Certificate of Grant issued by the Australian Government in April 14, 2021.
3. 'Smart Call Swapper for Portable Terminals' filed on September 18, 2020 [Application No: 202011040606 A, The Patent Office Journal No. 42/2020 dated 16/10/2020]
4. Smart Decision Support System Architecture for IoT based Agriculture (Application No.201911001689 A. Publication Date: 17/07/2020)
5. Method for Managing the Uplink Radiation and Energy Consumption of 5G Mobiles (Application No.202041009329 A, Publication Date: 13/03/2020)
6. Reliable, Low Cost and Distributed Wireless Sensor Network (WSN) Platform for IoT based Agriculture Applications [Docket No: 91545; Application No.: TEMP/E-1/46830/2018-DEL]
7. Precision Local Positioning Mechanism in Underground Mining using IoT Enabled WiFi Platform [Docket No: 91545; Application No: TEMP/E-1/46812/2018-DEL]

Attended: Short Term Courses

1. Completed NPTEL Course (online) 'AI in Marketing' in April, 2024.
2. Completed AICTE Training and Learning (ATAL) Academy online FDP on 'Internet of Things (IoT)' from 01.02.2021 to 05.02.2021 at MSME-Technology Development Centre (PPDC).
3. Completed AICTE Training and Learning (ATAL) Academy online FDP on 'Data Sciences' from 18.01.2021 to 22.01.2021 at MSME-Technology Development Centre (PPDC).
4. Completed AICTE Training and Learning (ATAL) Academy online FDP on 'Productivity Enhancement' from 25.01.2021 to 29.01.2021 at MSME-Technology Development Centre (PPDC).
5. Attended the Phase III: AICTE sponsored Short Term Training Programme on Big Data Analytics using Soft Computing Tools (with AI & ML) organized by Rajiv Gandhi University from 29 Nov., 2021 to Dec. 04, 2021 (06 days).
6. Attended Teach the Trainer (T3) Workshop on 'Algorithm for Intelligent Systems and Robotics', conducted by the IBM ICE Team at Suresh Gyan Vihar University, Jaipur from January 18-22, 2021.
7. Attended Financial Awareness Program conducted by Centre for Investment Education and Learning in Association with BSE Investor Protection Fund on June 5, 2021.
8. Attended International Conference on Applications and Innovations in Intelligent Systems, Modelling and Optimization COMPUTATIA-IX organized by Department of Computer Science Engineering and Department of Mathematics, VGU Campus, Jaipur from December 17-18, 2021. 'The Data Scientist's Toolkit' an online non-credit course authorized by Johns Hopkins University through Coursera on 23/5/2020.
9. 'Introduction to Artificial Intelligence and Machine Learning' under IBM's Teach the Teacher (T3) Workshop from Jan 21-23, 2020.
10. 'Python Programming' under IBM's Teach the Teacher (T3) Workshop from September 09-11, 2020.
11. AICTE recognized one week FDP (April 15-19, 2020) FDP on 'Internet of Things' by NITTTR, Chandigarh.
12. AICTE recognized one week FDP (April 20-24, 2020) FDP on 'Curriculum Implementation' by NITTTR, Chandigarh.
13. One week FDP on 'Intellectual Property Right' organized by the Patent Information Centre & TISE, Department of Science & Technology, Government of Rajasthan in April, 2020.

Academic Association with other Institutions

Associated with various academic bodies/Institutions/Universities/Education Boards as '**Paper Setter**', '**External Examiner**' and '**Answer-sheet Evaluator**' since year 2004 namely, University of Rajasthan, Jaipur; Rajasthan Technical University, Kota; University of Kota; Rajasthan University of Medical Sciences, Jaipur; Virdhman Mahaveer Open University, Kota; Jagatguru Shankracharya Sanskrit University, Jaipur; The IIS (Deemed) University, Jaipur; Jaipur National University; Banasthali Vidhyapeeth; Makhan Lal Chaturvedi National University, Bhopal; National University of Ayurveda, Jodhpur; Mahatma Jyoti Rao Phoole University, Jaipur; IGNOU, New Delhi, Maharishi Dayanand University, Ajmer; Lachoo Memorial College (Autonomous), Jodhpur; Subodh PG College (Autonomous), Jaipur; Poornima University, Jaipur; Vivekanand Global University, Jaipur; Keshwanand Engineering College, Jaipur; Barkatullah University, Bhopal; Silicon Institute of Engineering & Technology, Bhuvneshwar; Pacific University, Udaipur, etc.

Publications

Books Authored (Edited/Full/Chapter/SLM):

As 'Author': 28

1. **"Software Engineering"** (ISBN No. 81-88870-88-9)
Year of Publication: 2009 | Publisher: Genius Publications, Jaipur
Co-author: Chitreshh Benerjee, SGVU, Jaipur
2. **"E-Banking & Security Transactions"** (ISBN No. 978-93-80311-07-4)
Year of Publication: 2009 | Publisher: Genius Publications, Jaipur
Co-author: Chitreshh Benerjee, SGVU, Jaipur
3. **"ICT for Precision Agriculture"** (ISBN No. 978-613-9-92825-5)
Year of Publication: 2020 | Publisher: Lambert Academic Publishing, Germany
Authors: Ambrish Gajendra Mohapatra, Bright Keswani
<https://www.morebooks.de/store/gb/book/ict-for-precision-agriculture/isbn/978-613-9-92825-5>
4. **"Artificial Intelligence based effective algorithm for software Testing"**
(ISBN No. 978-620-2-51845-1)
Year of Publication: 2020 | Publisher: Lambert Academic Publishing, Germany
Authors: Bright Keswani, Vikas Yadav
<https://www.amazon.com/Artificial-Intelligence-effective-algorithm-Software/dp/6202518456>

5. "Enhanced Machine Learning Algorithm: Big Data Perspective"

(ISBN No. 978-6202565929)

Year of Publication: 2020 | Publisher: Lambert Academic Publishing, Germany

Authors: Bright Keswani, Prity Vijay

<https://www.amazon.com/Enhanced-Machine-Learning-Algorithm-Perspective/dp/6202565926>

6. "Load Balancing in Cloud Environment: A New Hybrid Model Approach"

(ISBN No. 978-6202816397)

Year of Publication: 2020 | Publisher: Lambert Academic Publishing, Germany

Authors: Bright Keswani, Jyoti Rathore

<https://www.amazon.com/Load-Balancing-Cloud-Environment-Approach/dp/6202816392>

7. "Algorithmes d'intelligence artificielle: Une perspective d'algorithme génétique"

(ISBN No: 978-6200862013)

Year of Publication: 2020 | Publisher: Scienica Scripts

Authors: Bright Keswani, Vikas Yadav

<https://www.amazon.de/-/en/Bright-Keswani/dp/620086201X>

8. Nedunchazhtan Raju, M. Rajalakshmi, Dinesh Goyal, S. Balamurugan, Ahmed Elnger, Bright Keswani (eds), 'Empowering Artificial Intelligence Through Machine Learning', CRC Press (ISBN: 978-177-1-88930-8) **[Edited Book Published in November, 2020]**

<https://www.appleacademicpress.com/empowering-artificial-intelligence-through-machine-learning-/9781771889308>

9. Algorithme d'apprentissage machine amélioré : Perspective des grandes données (French Edition) by Prity Vijay and Bright Keswani | Jun 5, 2020
10. Load Balancing in Cloud Environment: A New Hybrid Model Approach by Jyoti Rathore and Bright Keswani | Sep 28, 2020
11. Ambrish Gajandra Mohapatra, Bright Keswani, 'ICT for Precision Agriculture', Lambert Academic Publishing [ISBN: 978-613-9-92825-5]
12. Prity Vijay, Bright Keswani, 'Enhanced Machine Learning Algorithm: Big Data Perspective', Lambert Academic Publishing [ISBN: 978-620-2-56592-9]
13. Bright Keswani, Vikas Yadav, 'Artificial Intelligence based effective algorithm for Software Testing: A Genetic Algorithm Perspective', Lambert Academic Publishing [ISBN: 978-620-2-51845-1]
14. Jyoti Rathore, Bright Keswani, 'Load Balancing in Cloud Environment: A New Hybrid Model Approach', Lambert Academic Publishing [ISBN: 978-620-2-81639-7]
15. Book entitled "Novel Model for Effective Implementation of E-Governance" authored by Dr. Bright Keswani and Jitendra Singh published by Lambert Publishing Press on Nov. 26, 2021
16. ICT for Precision Agriculture: ICT Infrastructure and Decision Support System for Precision Agriculture by Ambrish Gajendra Mohapatra and Bright Keswani | Mar 2, 2020
17. Ulepszony algorytm nauki maszynowej: Duża perspektywa danych (Polish Edition) by Prity Vijay and Bright Keswani | Jun 5, 2020
18. Algoritmo di apprendimento macchina potenziato: Prospettiva dei grandi dati (Italian Edition) by Prity Vijay and Bright Keswani | Jun 5, 2020.
19. Erweiterter Algorithmus für maschinelles Lernen: Große Daten-Perspektive (German Edition) by Prity Vijay and Bright Keswani | Jun 4, 2020.
20. Enhanced Machine Learning Algorithm: Big Data Perspective by Prity Vijay and Bright Keswani | Jun 15, 2020.
21. Algoritmos de Inteligência Artificial: Uma perspectiva de Algoritmo Genético (Portuguese Edition) by Bright Keswani and Vikas Yadav | May 6, 2020.
22. Algorytmy sztucznej inteligencji: Perspektywa Algorytmu Genetycznego (Polish Edition) by Bright Keswani and Vikas Yadav | May 6, 2020.
23. Kunstmatige intelligentie-algoritmen: Een Genetisch Algoritme perspectief (Dutch Edition) by Bright Keswani and Vikas Yadav | May 6, 2020.
24. Algoritmi di intelligenza artificiale: Una prospettiva di Algoritmo Genetico (Italian Edition) by Bright Keswani and Vikas Yadav | May 6, 2020.
25. Algorithmes d'intelligence artificielle: Une perspective d'algorithme génétique (French Edition) by Bright Keswani and Vikas Yadav | May 6, 2020.
26. Algoritmos de Inteligencia Artificial: Una perspectiva de Algoritmo Genético (Spanish Edition) by Bright Keswani and Vikas Yadav | May 6, 2020
27. Künstliche Intelligenz basiert effektiven Algorithmus für Software: Eine Perspektive des Genetischen Algorithmus (German Edition) by Bright Keswani and Vikas Yadav | May 6, 2020.

28. Artificial Intelligence based effective algorithm for Software Testing: A Genetic Algorithm perspective by Bright Keswani and Vikas Yadav | Apr 1, 2020.

EDITED BOOKS : 03

1. Empowering Artificial Intelligence Through Machine Learning
CRC Press (Taylor & Francis Group) (ISBN: 9781771889308)
<http://www.appleacademicpress.com/empowering-artificial-intelligence-through-machine-learning-/9781771889308>
Nov. 2020
2. **Business Communication**
Year of Publication: 2013 Publisher: Himalaya Publications, Jaipur
3. **Problem Solving and Programming**
Year of Publication: 2013 Publisher: Himalaya Publications, Jaipur

SELF LEARNING MATERIAL (SLM): 06

1. **Elementary Computer Application** (ISBN No: 13/978-81-8496-061-7)
VM Open University, Kota
2. **Introduction to Computer Science** (ISBN No: 13/978-81-8496-264-2)
VM Open University, Kota
3. **Software Engineering** (ISBN No: 13/978-85-8496-312-0)
VM Open University, Kota
4. **Operating System – I** (ISBN No: 13/978-81-8496-324-3)
VM Open University, Kota
5. **Operating System**
VM Open University, Kota
6. **Programming in Visual Basic**
Madhya Pradesh Bhoj Open University

Book Chapter Authored: 15

1. **Title:** 'History and Generation of Security Protocols'
Book Title: Design & Analysis of Security Protocol for Communication
Publication: Wiley (ISBN: 978-1-119-55574-2)
Author(s): Bright Keswani, Poonam Keswani, Rakhi Purohit
Status: Published online in January 30, 2020
<https://doi.org/10.1002/9781119555759.ch1#>
2. **Title:** Deploying Across Multiple Data Centres (Multimaster)
Book Title: E-Commerce Data Security with Cloud Computing
Publication: Cambridge Scholars Publishing (ISBN: 978-1-5275-3556-5)
Author(s): Bright Keswani, Poonam Keswani, Jyoti Rathore
<https://www.cambridgescholars.com/e-commerce-data-security-with-cloud-computing>
3. **Title:** "IoT Security and Privacy Preservation"
Book Title: Security Design for the Cloud, IoT, and Social Networking
Publication: Scrivener Publishing LLC (Wiley Publications) (Pages: 97-111)
[Online ISBN: 9781119593171] DOI: 10.1002/9781119593171
Author(s): Bright Keswani, Poonam Keswani, Tarini Ch. Mishra, Ambarish G. Mohapatra
Status: Published in Oct. 4, 2019 and available in 'Wiley Online Library'
<https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119593171.ch6>
4. **Title:** "IDA with Space Technology and Geographic Information System"
Book Title: Intelligent Data Analysis: From Data Gathering to Data Comprehension. (ISBN: 978-1-119-54445-6)
Publication: Wiley
Author(s): Bright Keswani, Poonam Keswani, Tarini Ch. Mishra, Ambarish G. Mohapatra
Status: Published online in June, 2020.
<https://www.wiley.com/en-in/Intelligent+Data+Analysis%3A+From+Data+Gathering+to+Data+Comprehension-p-9781119544456>

5. **Book Title:** "Terahertz Biomedical and healthcare Technologies"
Chapter Title: Amalgamation of Machine Learning and Artificial Intelligence for Breast Cancer Detection (Pages 177-193)
<https://doi.org/10.1016/B978-0-12-818556-8.00010-0>
Publication: Elsevier
Author(s): Bright Keswani, Poonam Keswani, Tarini Ch. Mishra, Ambarish G. Mohapatra
<https://www.sciencedirect.com/science/article/pii/B9780128185568000100>
6. **Chapter Title:** Machine learning in Biomedical Signals and Medical Image Processing
Book Title: Deep Learning Techniques for Biomedical and Health Informatics
Publication: Apple Academic Press (Scopus Indexed)
Author(s): Sumitra Ojha,, Anuja Kumar Acharya, Nihar Ranjan Sahu, Sananda Kumar, Bright Keswani, Poonam Keswani, Tarini Ch. Mishra, Ambarish G. Mohapatra, Md. Mobin Akhtar
<https://www.appleacademicpress.com/empowering-artificial-intelligence-through-machine-learning-/9781771889308>
7. **Chapter Title:** Hybridization Preprocessing and Resampling Technique (HPRT) Based Neural Network Approach for Credit Card Fraud Detection
Book Title: Empowering Artificial Intelligence Through Machine Learning
Publication: CRC Press (Taylor & Francis Group)
Author(s): Bright Keswani, Poonam Keswani, Prity Vijay, and Ambarish G. Mohapatra
<http://www.appleacademicpress.com/empowering-artificial-intelligence-through-machine-learning-/9781771889308>
8. **Chapter Title:** Healthcare 4.0: A Voyage of Fog Computing with IOT, Cloud Computing, Big Data, and Machine Learning.
Book Title: Fog Computing for Healthcare 4.0 Environments: Signals and Communication Technology.
Print ISBN: 978-3-030-46196-6 **Online ISBN:** 978-3-030-46197-3
First Online: 03 August 2020
Publication: Springer, Cham
Author(s): Sarangi A.K., Mohapatra A.G., Mishra T.C., Keswani B. (2021)
https://doi.org/10.1007/978-3-030-46197-3_8
9. Sarangi A.K., Mohapatra A.G., Mishra T.C., Keswani B. (2021) Healthcare 4.0: A Voyage of Fog Computing with IOT, Cloud Computing, Big Data, and Machine Learning. In: Tanwar S. (eds) Fog Computing for Healthcare 4.0 Environments. Signals and Communication Technology. Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-46197-3_8
10. Anish Kumar Sarangi, Ambarish Gajendra Mohapatra, Tarini Charan Mishra, Bright Keswani, 'Healthcare 4.0: A Voyage of Fog Computing with IoT, Cloud Computing, Big Data, and Machine Learning' [Book Chapter], 'Fog Computing for Healthcare 4.0 Environments pp 177-210 August, 2020 [Springer] [Scopus] DOI: [10.1007/978-3-030-46197-3_8](https://doi.org/10.1007/978-3-030-46197-3_8)
11. Bright Keswani, Poonam Keswani, Rakhi Purohit, 'History and Generations of Security Protocols' [Book Chapter], 'Design and Analysis of Security Protocol for Communication', Scrivener Publishing LLC, pp1-28 (2020), Print ISBN:9781119555643 |Online ISBN:9781119555759 [Scopus] DOI: <https://doi.org/10.1002/9781119555759.ch1>
12. Keswani B. et al. (2020) World of Virtual Reality (VR) in Healthcare. In: Gupta D., Hassanien A., Khanna A. (eds) Advanced Computational Intelligence Techniques for Virtual Reality in Healthcare. Studies in Computational Intelligence, vol 875. Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-35252-3_1
13. Bright Keswani, Lokesh Vijay, Poonam Keswani, Prity Vijay, Ambarish G. Mohapatra, 'Amalgamation of Machine Learning and Artificial Intelligence for Breast Cancer Detection' [Book Chapter], 'Terahertz Biomedical and Healthcare Technologies (2020), Science Direct Publication [Elsevier] [Scopus] pp 177-193. DOI: <https://doi.org/10.1016/B978-0-12-818556-8.00010-0>

14. Bright Keswani, Poonam Keswani, Prity Vijay, Ambarish G Mohapatra, 'Hybridization Preprocessing and Resampling Technique-Based Neural Network Approach for Credit Card Fraud Detection' [Book Chapter], 'Empowering Artificial Intelligence Through Machine Learning', Apple Academic Press, eBook ISBN9781003055129, pp 97-126, 2022.
DOI: <https://doi.org/10.1201/9781003055129>
15. Bright Keswani, Poonam Keswani, Prity Vijay, Ambarish G. Mohapatra, 'Hybridization Preprocessing and Resampling Technique (HPRT) based Neural Netowrk Approach for Credit Card Fraud Detection', [Book Chapter Published in November, 2020] in the Edited Book entitled 'Empowering Artificial Intelligence Through Machine Learning', CRC Press (ISBN: 978-177-1-88930-8) <https://www.appleacademicpress.com/empowering-artificial-intelligence-through-machine-learning-/9781771889308>

Research Paper / Articles

2025:

1. Indra Kishor, Udit Mamodiya, Bright Keswani (2025) "Energy Efficiency and Practical Implications of IoT-Based Static vs. Single-Axis Solar Tracking Systems: A Comparative Analysis" Journal of Intelligent Systems and Internet of Things, Vol. 15, No. 02, PP. 164-182. <https://doi.org/10.54216/JISIoT.150212>

2024:

2. Shukla, Madhukar Prashant, Keswani, Poonam and Keswani, Bright. "Artificial neural network based load balancing scheme for top of rack switches in optical data centers" Journal of Optical Communications, vol. 45, no. s1, 2024, pp. 2019-2028. <https://doi.org/10.1515/joc-2023-0189>

2023:

3. Goyal NK, Pal A, Keswani B, Goyal D, Gupta MK (2023) A Novel Hybrid Feature Extraction Technique and Spam Review Detection using Ensemble Machine Learning Algorithm by Web Scrapping. Indian Journal of Science and Technology 16(29): 2261-2268. <https://doi.org/10.17485/IJST/v16i29.1500> [WoS]
4. Shweta Saraswat, Bright Keswani, Vandna Sharma, Vrishit Saraswat, & Monica Lamba. (2023). Mammograms-Based Breast Cancer Detection Using Ai Image Processing Techniques. Journal of Coastal Life Medicine, 11(1), 1980–1986. <https://doi.org/10.52783/jclm.v11i1.617>
5. MP Shukla, P Keswani, B Keswani (2024) Artificial neural network based load balancing scheme for top of rack switches in optical data centers, Journal of Optical Communications [WoS, Scopus]
6. T Sajid, W Jamshed, NK Goyal, B Keswani, GC Altamirano, D Goyal., Analysis and Challenges in Detecting the Fake Reviews of Products using Naïve Bayes and Random Forest Techniques [WoS, Scopus]
7. R Mutha, B Keswani, 'Digital asset management using block chain', AIP Conference Proceedings 2782 (1)
8. NK Goyal, MK Gupta, B Keswani, D Goyal, A Pal, 'Fake Review Detection Using Ensemble Techniques by the Fusion of Chronology, Aspect and Sentiment of Reviews and Oversampling by Smote [WoS, Scopus]
9. S Saraswat, B Keswani, V Sarasawat, 'The role of Artificial Intelligence In Healthcare: Applications and Challenges after COVID-19, Journal of Harbin Engineering University 44 (6) IJTRS

2022:

10. Ravi Shanker Sharma, Bright Keswani, Dinesh Goyal, 'An Assessment on Routing Protocols Algorithms in MANET', Elementary Education Online (EEO) [ISSN : 1305-3515], 19(4): 7462-7469 (2022), [May 01, 2022] [Scopus] <https://ilkogretim-online.org/index.php/iao/issue/view/27?mno=22008>
11. Ravi Shanker Sharma, Bright Keswani, Dinesh Goyal, 'Hybrid Model for Protocol Independent Secure Video Transmission using Improvised OSLR with Optimized MPR and DYDOG', Journal of Algebraic Statistics, Vol. 13, No.2, pp. 1669-1679 (2022) [Scopus] <https://www.publishoa.com/index.php/journal/article/view/338>

12. Ravi Shanker Sharma, Bright Keswani, Dinesh Goyal, 'Analysis of Routing and Security issues in OLSR Protocol for Video Streaming over MANET', Journal of Discrete Mathematical Science & Cryptography (ISSN: 0972-0629) Taylor & Francis [Scopus] DOI: 10.1080/09720529.2022.2072439
<https://www.tandfonline.com/doi/abs/10.1080/09720529.2022.2072439>
13. Anil Pal, Bright Keswani, Dinesh Goyal, 'Analysis and design of secure VANET by detection and avoidance of blackhole attack', Journal of Discrete Mathematical Science & Cryptography (ISSN: 0972-0629) Taylor & Francis [Scopus] DOI: 10.1080/09720529.2022.2075091
<https://www.tandfonline.com/doi/abs/10.1080/09720529.2022.2075091?src=recsys>
14. Aakriti Sharma, Bright Keswani, Pankaj Kumar Gupta, 'A Novel Framework for Docker and Container Security and their Risk Assessment', Suresh Gyan Vihar University Journal of Engineering & Technology, Vol.8, Issue 1, pp. 28-42 (2022)
https://www.gyanvihar.org/journals/wp-content/uploads/2022/03/P6-Aakriti_PAPER.pdf
15. Ravi Shankar Sharma, Bright Keswani, Dinesh Goyal, Pankaj Kumar Gupta, 'An Assessment on Proactive Routing Protocols in MANET', Suresh Gyan Vihar University Journal of Engineering & Technology, Vol.8, Issue 1, pp. 21-27 (2022)
<https://www.gyanvihar.org/journals/wp-content/uploads/2022/03/P5-Ravi-Shankar-BK-DG.pdf>
16. Bright Keswani, 'Digital Asset Management using Blockchain' presented during International Conference on 'Intelligent Systems & Computation (ICISC 2022) at Poornima Institute of Engineering & Technology in May 06-07, 2022.
17. Navin Kr. Goyal, Bright Keswani, Dinesh Goyal, 'Review of Machine Learning Algorithms for Fake Review Detection using Amazon Dataset', Suresh Gyan Vihar University Journal of Engineering & Technology, Vol.8, Issue 1, pp. 43-47 (2022)
<https://www.gyanvihar.org/journals/wp-content/uploads/2022/05/paper-for-SGVJET.pdf>

2021:

18. Priyanka, Bright Keswani, Rashid Hussain, 'Blockchain-based cryptography model to preserve privacy for smart contracts', Journal of Discrete Mathematical Sciences and Cryptography (Taylor & Francis) [Scopus], Vol.24, Issue 8, pp 2279-2289, 2021. DOI: <https://doi.org/10.1080/09720529.2021.2015091>
19. Dipak Ranjan Nayak, Ambarish Gajendra Mohapatra, Bright Keswani, Anita Mohanty, Pradyumna Kumar Tripathy, Amiya Kumar Samantaray, 'IoT enabled predictive maintenance of diesel generator in the context to Industry 4.0', Published by IEEE 19th OITS International Conference on Information Technology (OCIT), pp. 364-368 (2021). Added to IEEE Xplore: 01 March 2022. DOI: 10.1109/OCIT53463.2021.00078
20. Priyanka, Bright Keswani, Rashid Hussain, 'Assimilation of blockchain over cloud computing', Journal of Discrete Mathematical Sciences and Cryptography (Taylor & Francis) [Scopus], Vol.24, Issue 8, pp 2267-2277, 2021. DOI: <https://doi.org/10.1080/09720529.2021.2009194>
21. Aakriti Sharma, Bright Keswani, Anjana Sangwan, 'Optimization of docker container security and its performance evaluation', Journal of Discrete Mathematical Sciences and Cryptography (Taylor & Francis) [Scopus], Vol.24, Issue 8, pp 2365-2375, 2021. DOI: <https://doi.org/10.1080/09720529.2021.2014142>
22. Anjana Sangwan, Bright Keswani, Aakriti Sharma, 'Optimization of secure communication channel over the volunteer cloud and cloud computing', Journal of Discrete Mathematical Sciences and Cryptography (Taylor & Francis) [Scopus], Vol.24, Issue 8, pp 2257-2266, 2021. DOI: <https://doi.org/10.1080/09720529.2021.2011106>
23. Ankit Panch, Bright Keswani, 'Blockchain based smart sustainable solutions & Cryptocurrencies: A technological review in light of carbon footprint reduction', International Journal of Mechanical Engineering (ISSN: 0974-5823) Vol. 6, No. 3, pp 1324-1335, Oct-Dec., 2021. [Scopus]
24. Anil Pal, Bright Keswani, Dinesh Goyal (2021), 'Implementation of SFRP for Blackhole Attacks', Design Engineering (ISSN 0011-9342), Issue 7, pp. 3483-3490 [Scopus]
25. Neha Paliwal, Bright Keswani, 'Cloud Computing Adoption and Determining Factors in difference Industries: A case study of Developing Countries', Kala Sarovar (UGC approved Journal, ISSN: 0975-4520), Vol. 24, No. 02, April-June, 2021, pp. 150-165
26. Neha Paliwal, Bright Keswani, 'Effective E-Governance Paradigm through Cloud Environment', International Journal of Computer Engineering in Research Trends (UGC approved Journal, E-ISSN: 2349-7084), Vol. 08, Issue 04, April 2021, pp. 61-75

27. Priyanka, Bright Keswani & Rashid Hussain (2021) Blockchain-based cryptography model to preserve privacy for smart contracts, *Journal of Discrete Mathematical Sciences and Cryptography*, 24:8, 2279-2289, DOI: 10.1080/09720529.2021.2015091
28. Anjana Sangwan, Bright Keswani & Aakriti Sharma (2021) Optimization of secure communication channel over the volunteer cloud and cloud computing, *Journal of Discrete Mathematical Sciences and Cryptography*, 24:8, 2257-2266, DOI: 10.1080/09720529.2021.2011106
This research was conducted during the NREUP at Michigan State University and it was sponsored by NSF grants DMS-1156582 and DMS-1359016.
<https://www.tandfonline.com/doi/abs/10.1080/09720529.2021.2011106>
29. Aakriti Sharma, Bright Keswani & Anjana Sangwan (2021) Optimization of docker container security and its performance evaluation, *Journal of Discrete Mathematical Sciences and Cryptography*, 24:8, 2365-2375, DOI: 10.1080/09720529.2021.2014142
30. Priyanka, Bright Keswani & Rashid Hussain (2021) Assimilation of blockchain over cloud computing, *Journal of Discrete Mathematical Sciences and Cryptography*, 24:8, 2267-2277, DOI: 10.1080/09720529.2021.2009194
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32. Sarangi A.K., Mohapatra A.G., Mishra T.C., Keswani B. (2021) Healthcare 4.0: A Voyage of Fog Computing with IOT, Cloud Computing, Big Data, and Machine Learning. In: Tanwar S. (eds) *Fog Computing for Healthcare 4.0 Environments. Signals and Communication Technology*. Springer, Cham. https://doi.org/10.1007/978-3-030-46197-3_8

2020:

33. Bright Keswani, et.al. (2020) 'Improving Weather Dependent zone specific irrigation control scheme in IoT and big data enabled self driven precision agriculture mechanism', *Enterprise Information Systems (Taylor & Francis Journals)*, Vol. 14, Issue 9-10, pp. 1494-1515, Jan 2020 [Scopus] DOI: <https://doi.org/10.1080/17517575.2020.1713406>
34. Bright Keswani, Ambarish G. Mohapatra, Poonam Keswani, Ashish Khanna, Deepak Gupta & Joel Rodrigues (2020) Improving weather dependent zone specific irrigation control scheme in IoT and big data enabled self-driven precision agriculture mechanism, *Enterprise Information Systems*, 14:9-10, 1494-1515, [Scopus] DOI: 10.1080/17517575.2020.1713406
35. Abhilasha Saini, Sudhir Bhardwaj, Bright Keswani, Ajit Somani, and P. N. Nemade, "Theoretical modeling to plasma phase in heavy ion collisions", *AIP Conference Proceedings* 2020 [Scopus], 140070 (2020) DOI: <https://doi.org/10.1063/5.0001272>
36. Sandeep Bhargava, Bright Keswani, Dinesh Goyal, "Impacts of Big IoT on Data Analytics Platform", *Suresh Gyan Vihar University Journal of Engineering & Technology (An International Bi- Annual Journal)* Vol. 6, Issue 2, 2020, pp 31-38 ISSN: 2395-0196 31.
37. Vani Jain, Devesh Bandil, Bright Keswani, Neha Paliwal, 'E-Governance Phased Security Model', *International Journal of Management (IJM)* Volume 11, Issue 12, December 2020, pp.3224-3232, ISSN Print: 0976-6502 and ISSN Online: 0976-6510 [Scopus] DOI: 10.34218/IJM.11.12.2020.301
38. Neha Paliwal, Bright Keswani, Vani Jain, Devesh Bandil, 'Cloud based E-Government Model: Analysis and Challenges', *International Journal of Management (IJM)* Volume 11, Issue 12, December 2020, pp.3202-3223, ISSN Print: 0976-6502 and ISSN Online: 0976-6510 [Scopus] DOI: 10.34218/IJM.11.12.2020.300
39. Krishan Kumar, Bright Keswani, Vivek Jaglan, 'Privacy Protection in Personalized Web Search using Obfuscation', *International Journal of Emerging Trends in Engineering Research*, Volume 8. No. 4, April 2020. DOI: <https://doi.org/10.30534/ijeter/2020/76842020>
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6. Ms. Priyanka Sharma, Poornima University, Jaipur
7. Ms. Ravi Kishore, Poornima University, Jaipur
8. Ms. Anita Shukla, Poornima University, Jaipur

AWARDED [21]

2023

1. Anjana Anand (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur
2. Priyanka (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur
3. Akriti Sharma (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur
4. Sweta Saraswat (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur
5. Naveen Goyal (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur
6. Ravi Shankar Sharma (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur.

2022

1. **A Novel Secure Framework for Avoiding Blackhole and SYBIL Attacks in VANET**
Anil Pal (Computer Science), Suresh Gyan Vihar University, Jaipur
2. **Designing Novel Model and Techniques for Effective Implementation of E-Governance**
Neha Paliwal (Computer Science), Suresh Gyan Vihar University, Jaipur.

2021

3. **Designing Novel Model and Techniques for Effective Implementation of E-Governance**
Jitendra Singh (Computer Science), Suresh Gyan Vihar University, Jaipur.
4. **Designing A Secure Framework of Video Streaming over P2P Network**
Gajanand Sharma (Computer Science & Engineering), Suresh Gyan Vihar University, Jaipur.
5. **Performance Tuning of IoT – Big Data & Analytics Over Cloud**
Sandeep Bhargava (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur.

2020

6. **Study of Global Variables in Relativistic Heavy Ion Collisions**
Abhilasha Saini, Suresh Gyan Vihar University, Jaipur
7. **Application of Fuzzy Techniques in Enhancing Security Mechanism in Mobile Networks**
Bijendra Bansal (Computer Science & Engineering), Suresh Gyan Vihar University, Jaipur.

2019

8. **Designing of enhanced approach for Cloud based Computation of BigData**
Shekh Iklaq (Computer Science), Suresh Gyan Vihar University, Jaipur.
9. **ICT Infrastructure and Decision Support System for Precision Agriculture**
Ambrish Gajendra Mahopatra (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur.
10. **Design of Load Balancing Hybrid Model (LBHM) for Cloud Environment**
Jyoti Rathod (Computer Science), Suresh Gyan Vihar University, Jaipur.
11. **Design of Enhanced Machine Learning Algorithm for Optimizing Complexity and Redundancy of Big Data**
Prity Vijay (Computer Science), Suresh Gyan Vihar University, Jaipur.
12. **Adoption of effective Error Detection & Removal approach for Product-Based and Service-Based Organizations**
Vikash Yadav (Computer Science), Suresh Gyan Vihar University, Jaipur.

2018

- 13. Intranet over Cloud: An efficient and evolutionary paradigms and developmental shifts in communication systems**
Dharmveer Yadav (Computer Science), Suresh Gyan Vihar University, Jaipur.
- 14. Design and validation of new Routing Protocol in MANNET for optimal performance**
Rakhi Purohit (Computer Science and Engineering), Suresh Gyan Vihar University, Jaipur.
- 15. Simulation Studies of Anisotropic Flow at Relativistic Heavy Ion Collider [RHIC] Energies**
Ajit Kumar Somani, Suresh Gyan Vihar University, Jaipur.

Dissertation/Project Supervision

MCA Projects: ~ 200

M.Tech. Dissertation: 06

- a. 'Hand Gesture Recognition using Machine Learning' awarded to Ms. Bhavika Chauhan (2023PUFCEMCEX15011), M.Tech (CSE) by the Poornima University, Jaipur in 2025.
- b. 'Study and Analysis of Cloud ERP using Software Engineering Techniques' awarded to Mr. Rajeev Sharma (Enrollment: SGVU111515513), M.Tech (SE) by the Suresh Gyan Vihar University, Jaipur in 2013.
- c. 'Encryption of Digital Data for Improving Confidentiality in Text Watermarking' awarded to Ms. Leena Goyal (Enrollment: SGVU 101594331), M.Tech (CSE) Part-Time (2013) by Suresh Gyan Vihar University, Jaipur
- d. 'Implementation of n-Queens Puzzle using Meta-heuristic Algorithm (Cuckoo Search)' awarded to Mr. Ram Gopal Sharma (Enrollment:SGVU101595090), M.Tech(CSE) Part-Time (2013) by Suresh Gyan Vihar University, Jaipur
- e. 'Generic Ways to Improve SQA by Meta-Methodology for Developing Software Projects' awarded to Ms. Sonia Bhargava (Enrollment: SGVU111515463), M.Tech (SE) (2013) by Suresh Gyan Vihar University, Jaipur
- f. 'Implementation of Map Reduce Algorithm using Hadoop for Proficient Execution of Application in Cloud Computing' awarded to Ms. Nidhi Sharma (Enrollment No: CP16001206770) M.Tech (CSE) (2015) by Suresh Gyan Vihar University, Jaipur.
- g. 'Risk Identification and Formulation of a New Model based on the concept of Software Reusability' awarded to Mr. Rahul Kaushik (Enrollment: SGVU101594742), M.Tech (CSE) Part-Time (2013) by Suresh Gyan Vihar University, Jaipur

Industry connection / Consultancy Experience

1. Academic Consultancy in the form of 'Expert Lecture' and 'Short Videos on different dimensions of Technology' given to youth of Nigeria under the Digital Skill Development Programme organized by the Goodwill International Endeavors Initiative in December 23, 2020.

Keynote Address(s)

2. **Keynote** on 'Synopsis Designing for Ph.D Research: Structure and Rules' under Faculty Development Programme organized by Suresh Gyan Vihar University in September 07, 2018.
3. **Keynote** on 'INFLIBNET' under Faculty Development Programme organized by Suresh Gyan Vihar University in October 26, 2018.
4. **Keynote Speech** entitled 'AI Based WCMS in Precision Agriculture using DSS' delivered during '3rd International Conference on Mathematics and Applied Sciences (ICMAS)' organized by Mustansiriyah University, Baghdad, Iraq on March 23, 2022.
5. Invited as **Speaker** during Global Summit on Applied Science, Engineering and Technology (GSASET 2022) held in Dubai, UAE on March 17-19, 2022.
6. Invited for Speech at the 10th World Congress of Advanced Materials & the 10th Intermetallic Session 2023 (AMIS-2023) which will take place at the Sapporo Intercontinental Convention Center in Sapporo, Japan during February 9-11, 2023.
7. '**Computational Skills essential in Research**' under Faculty Development Programme organized by Suresh Gyan Vihar University in October 06, 2018.
8. '**Use of Learning Resources in Ph.D Research [Including E-Resources]**' under Faculty Development Programme organized by Suresh Gyan Vihar University in August 29, 2019.
9. '**How to Design a Research Paper**' under Faculty Development Programme organized by SMD College, Jaswantgarh on October 16, 2020.
10. '**Internet of Things (IoT): Restructuring the World**' under TEQIP-III organized by Government Engineering College, Bharatpur on September 5, 2020.
11. '**ICT Tools for Research**' during SGVU-Global Science Summit 2020 (online) organized by the Suresh Gyan Vihar University, Jaipur from August 17-22, 2020.
12. **Keynote Speech** on 'Fuzzy based Weather Condition Modelling systems in Precision Agriculture' during International Symposium on Recent Trends on Emerging Technologies' organized by Dev Bhoomi Uttarakhand University, Dehradun on December 24, 2021.

13. Invited **Speaker** at the Global Summit on Metamaterials, Nanophotonics and Plasmonics (METAMAT 2021) during December 07-09, 2021 in London, United Kingdom.
14. Invited **Speaker** on 'The Plasmonic Phase and Hydro-dynamical Modeling' at the Conference 'Physics and Astronomy World Forum' held on December 02-04, 2021 in Frankfurt, Germany.
15. **International talk** on 'Introduction to Machine Learning' during symposium entitled on 'Relationship between Statistics and Machine Learning' on March 29, 2021 at Northern Technical University, and Administrative Technical College, Northern Technical University, Mosul, Iraq.

FDP/Invited lecture/Workshop Organized: ~ 345

Being '**Local Coordinator**' of SGVU-Nodal Centre, following AICTE recognized ICT based Short Term Courses (specialized) organized in collaboration with NITTTR, Chandigarh for faculty and staff members,

1. 'Induction Training Programme Through ICT' (May 13-17, 2013)
2. STC on 'Lasers: Development & Applications' (July 13-17, 2015)
3. STC on 'Industrial Automation & Robotics through ICT' (Aug 24-28, 2015)
4. STC on 'Global System for Mobile Communications' (Sept 7-11, 2015)
5. STC on 'Mobile Computing' (Jan 25-29, 2016)
6. STC on 'Effective Curriculum Implementation' (March 7-11, 2016)
7. STC on 'Thrust Areas in Engineering & Science' (April 25-29, 2016)
8. STC on 'Cloud Computing' (December 05-09, 2016)
9. STC on 'PHP & MySQL' (Jan 23-27, 2017)
10. STC on 'Cyber Crime and Forensic Tools Through ICT' (Feb. 06-10, 2017)

Being '**Principal, Academic Staff College**' more than 345 FDPs organized for faculty members of Suresh Gyan Vihar University since year 2014.

Workshops Attended

1. 'Induction Training Programme Through ICT' (May 13-17, 2013)
2. Attended AICTE-ISTE sponsored one-week Refresher Program on AI-Diving in IoT and Computer Vision, organized by JSPM's Rajarshi Shahu College of Engineering, Fathawade, Pune from Jan 17-22, 2022.
3. Attended one Week online AICTE-ISTE Sponsored Refresher Program on 'Future Aspects of Blockchain Technology and its Applications' organized by Department of Electronics and Telecommunication Engineering of S.B. Jain Institute of Technology, Management & Research, Nagpur from 28.01.2022 to 02.02.2022.
4. Attended IP Awareness Training Program under National Intellectual Property Awareness Mission, organized by Intellectual Property Office, Government of India on February 10, 2022.
5. Attended International Conference on 'Intelligent Systems & Computation (ICISC 2022)' at Poornima Institute of Engineering & Technology in May 06-07, 2022.
6. STC on 'Lasers: Development & Applications' (July 13-17, 2015)
7. STC on 'Industrial Automation & Robotics through ICT' (Aug 24-28, 2015)
8. STC on 'Global System for Mobile Communications' (Sept 7-11, 2015)
9. STC on 'Mobile Computing' (Jan 25-29, 2016)
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11. STC on 'Thrust Areas in Engineering & Science' (April 25-29, 2016)
12. STC on 'Cloud Computing' (December 05-09, 2016)
13. STC on 'PHP & MySQL' (Jan 23-27, 2017)
14. STC on 'Cyber Crime and Forensic Tools Through ICT' (Feb. 06-10, 2017)
15. STC on 'Optimization using MATLAB through ICT' (July 17-21, 2017)
16. Road Map to Sustaining Academic Excellence in Management & IT Education at IIIM, Jaipur (July 18-31, 2007)
17. Linux, Eclipse, Apache Tomcat, Venue - Subodh PG College, Jaipur. (Nov. 16th- Nov. 18th, 2005)
18. Developing World Class Teaching Competencies: A New Perspective sponsored by AICTE, New Delhi in collaboration with RTU, Kota at IIM, Jaipur (May 01st to May 15th, 2008).
19. Attended one day National Workshop on 'Open Source' powered by RedHat, organized by CompuCom Institute of Information Technology and Management, Jaipur on Nov.23, 2017.
20. Attended Workshop on 'Google for Education' organized by 'Google India' on Jan 20, 2018 at Suresh Gyan Vihar University, Jaipur.
21. Faculty Development Workshop on E-Learning, organized by Smt. Mohari Devi Taparia Kanya Mahavidyalaya, Jaswantgarh in collaboration with EdFly on May 23, 2020.

(Dr. Bright Keswani)
Professor (Computer Applications)
 Faculty of Computer Engineering,
 Poornima University, Jaipur